































- · 85~264Vac input range
- · Global certificates in multi-fields (ITE 62368-1, Industrial 61558-1/-2-16, 61010)
- · 30mm slim width
- · High efficiency up to 91% and no load power dissipation<1W
- · Built-in constant current limiting circuit
- · Protections: Short circuit / Overload / Over voltage / Over temperature
- · Fanless design, cooling by free air convection
- · Over voltage category III (OVC III)
- -40~+70°C wide range operation temperature (>+50°C derating)
- · Operating altitude up to 5000 meters
- · Built-in DC OK relay contact
- · Can be installed on DIN rail TS-35/7.5 or 15
- · 3 years warranty









### Applications

- · Industrial control system
- Semiconductor fabrication equipment
- Factory automation
- Electro-mechanical apparatus
- Battery charger

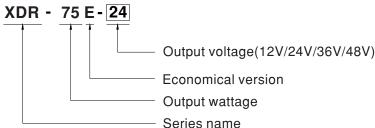
#### GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

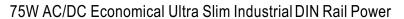
### Description

The XDR-75E series is a 75W AC/DC economical ultra slim industrial DIN rail power. Key features of this series include a narrow 30mm casing, optimizing system installation space, and an ultra-wide input range of 85~264Vac suitable for global use. It boasts a maximum efficiency of 91% and a low standby power consumption <1W for energy savings and carbon reduction. It has built-in constant current, fanless design, a wide operating temperature range of -40 to +70°C (up to +50°C at full load); OVCIII compliance; built-in DC OK signal. With comprehensive protection functions, complete safety certifications, and a 3-years warranty, the XDR-75E series is a compact, high-performance, and highly reliable DIN rail power supply.











#### SPECIFICATION

MODEL		XDR-75E-12	XDR-75E-24	XDR-	75E-36	XDR-75E-48	
	DC VOLTAGE	12V	24V	36V		48V	
	RATED CURRENT	6.3A	3.2A	2.1A		1.6A	
	CURRENT RANGE	0 ~ 6.3A	0 ~ 3.2A	0 ~ 2.1A		0 ~ 1.6A	
	RATED POWER	75.6W	76.8W	75.6W	•	76.8W	
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	120mVp	)-n	120mVp-p	
	VOLTAGE ADJ. RANGE	12 ~ 15V	24 ~ 29V	36 ~ 4	•	48 ~ 55V	
DUTPUT	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%		±1.0%	
	LINE REGULATION	±0.5%	±0.5%	±0.5%		±0.5%	
	LOAD REGULATION	±1.0%	±1.0%	±1.0%		±1.0%	
	SETUP, RISE TIME		s, 60ms/115Vac at full load	= 1.070		= 1.070	
	HOLD UP TIME (Typ.)	,					
	AC VOLTAGE RANGE	35 ~ 264Vac					
	DC VOLTAGE RANGE	120 ~ 370Vdc					
	NO LOAD POWER CONSUMPTION (Typ.)						
	1717	0.7W @115Vac & 230Vac 1W @115Vac & 230Vac					
NPUT	FREQUENCY RANGE	47 ~ 63Hz	1000/	0.404		0.404	
	EFFICIENCY (Typ.)	89%	90%	91%		91%	
	AC CURRENT (Typ.)	1.4A/115Vac 0.8A/230Vac					
	INRUSH CURRENT (Typ.)	COLD START 18A/115Vac	B5A/230Vac				
	LEAKAGE CURRENT	<1mA / 240Vac					
	OVERLOAD	105-130% rated output power, of	constant current limiting without sh	utdown, rec	overs automatically after	fault condition is removed	
PROTECTION	OVER VOLTAGE	15 ~ 18V	30 ~ 34V	43 ~ 50	V	56 ~ 65V	
	OVER VOLIAGE	Protection type : Shut down o/p v	oltage, re-power on to recover				
	OVER TEMPERATURE	Protection type: Hiccup mode, r	ecovers automatically after fault c	ondition is re	emoved		
UNCTION	DC OK RELAY CONTACT	Relay Contact Ratings (max.):30V	dc/1A, 30Vac/0.5A resistive load				
	WORKING TEMP40 ~ +70 °C (Refer to "Derating Curve")						
	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
NVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C 10 ~ 95% RH non-co	-40 ~ +85°C, 10 ~ 95% RH non-condensing				
	TEMP. COEFFICIENT	±0.03% /°C (0~50°C)					
	VIBRATION	Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6					
	SAFETY STANDARDS	UL61010; TUV BS EN/EN62368-1, BS EN/EN61558-1/-2-16, BS EN/EN61010; CB IEC62368-1, IEC61558-1, IEC61010; RCM AS/NZS 62368-1, AS/NZS 61558-1/-2-16; BIS IS13252 (Part 1):2010; BSMI CNS15598-1; CCC GB4943.1; EAC TPTC004 approved; KC KC62368-1 certified, no stock ,contact sale for inquires					
	OVER VOLTAGE CATEGORY Note.4	IEC/EN 61558-1/-2-16 (ΟVC III, altitude up to 2000m) IEC/EN/UL 61010 (ΟVC II, altitude up to 5000m) IEC/EN 62368-1 (ΟVC II, altitude up to 5000m)					
	SAFETY EXTRA-LOW VOLTAGE(SELV)	IEC/EN 61558-2-16 (SELV) IEC/EN/UL 61010-2-201 (SELV) IEC/EN 62368-1 (SELV / ES1)					
	WITHSTAND VOLTAGE	I/P-O/P: 4KVac I/P-FG: 2KV	/ac O/P-FG: 1.5KVac O/P	-DC OK: 0.5	iKVac		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG: 100N	M Ohms/500VDC/25°C / 70%RH				
		Parameter	Standard		Test Level / Note		
SAFETY &		Conducted	BS EN/EN55032 (CISPR32) / CI	NS15936	Class B		
MC	EMO EMICOION	Radiated	BS EN/EN55032 (CISPR32) / CI	NS15936	Class B		
Note 6)	EMC EMISSION	Harmonic Current	BS EN/EN61000-3-2		Class A		
•		Voltage Flicker	BS EN/EN61000-3-2				
		BS EN/EN55035, BS EN/EN67	1204-3, BS EN/EN61000-6-2(BS E	EN/EN50082	2-2)		
		Parameter	Standard	Test Level	I / Note		
		ESD	BS EN/EN61000-4-2	Level 3, 8K	V air; Level 3, 4KV cont	act; criteria A	
		Radiated	BS EN/EN61000-4-3	Level 3, 10	V/m ; criteria A		
	EMC IMMUNITY	EFT / Burst	BS EN/EN61000-4-4	Level 2, 2k	(V ; criteria A		
		Surge	BS EN/EN61000-4-5	Level 4, 2k	(V/Line-Line ;Level 4, 41	KV/Line-Line-Chassis ;criteria	
		Conducted	BS EN/EN61000-4-6	Level 3, 10	V ; criteria A		
		Magnetic Field	BS EN/EN61000-4-8	Level 4, 30	)A/m ; criteria A		
	MTBF	2425.7K hrs min. Telcordia	SR-332 (Bellcore) ; 533.	7K hrs min.	MIL-HDBK-217F (25°	°C)	
OTHERS	DIMENSION	30*125.2*116mm (W*H*D)					
	PACKING	400g; 24pcs/10.6Kg/1.27CUF	Т				
		J. 1	230Vac input, rated load and 2	5°C of amhi	ent temperature		
		•				allel capacitor.	
	''	ple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 $\mu$ F & 47 $\mu$ F parallel capacitor. erance : includes set up tolerance, line regulation and load regulation.					
		•	nless models and of $5^{\circ}\text{C}/1000\text{m}$			,	
NOTE		• • • • • • • • • • • • • • • • • • • •	m, 5mm on the left and right side	e are recom	nmended when loaded	permanently with full power.	
	in case the adjacent device	is a heat source, 15mm cleara	nce is recommended.				
	6 The newer august is sensiti	rod a companent which will be	e installed into a final equipmen	t The fine!	oquinment must be	confirmed that it atill maat-	

6. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets

EMC directives. (as available on https://www.meanwell.com//Upload/PDF/EMI\_statement\_en.pdf )

% Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



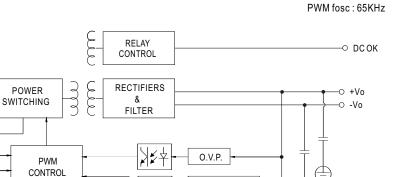
#### ■ Block Diagram

**EMIFILTER** 

& RECTIFIERS

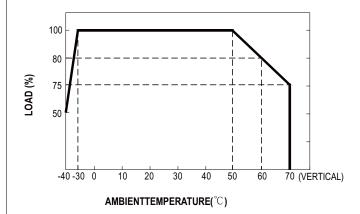
O.L.P.

O.T.P.

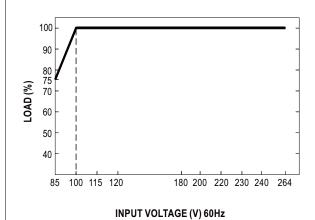


DETECTION CIRCUIT

#### ■ Derating Curve



#### ■ Static Characteristics

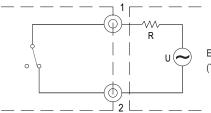




#### **■** Function Manual

#### 1.DC OK Relay Contact

Contact Close	PSU turns ON/DC OK.
Contact Open	PSU turns OFF/DC Fail.
Contact Ratings (max.)	30Vdc/1A, 30Vac/0.5A resistive load.



External voltage source (U) and resistor (R) (The max. Sink is 30Vdc/1A,30Vac/0.5A)

Internal circuit of DC\_OK, via relay contact

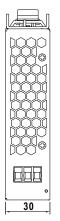






#### ■ Mechanical Specification

(Unit:mm, Tolerance ±1mm)



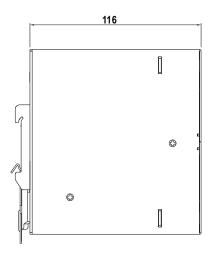
Case No.301

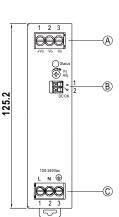
#### (A): Terminal Pin No. Assignment

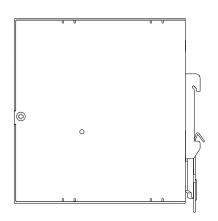
Pin No.	Assignment
1	DC Output +Vo
2,3	DC Output -Vo

B: Control Pin No.Assignment

<i>-</i>			
	Pin No.	Assignment	
	1,2	DC OK Relay Contact	











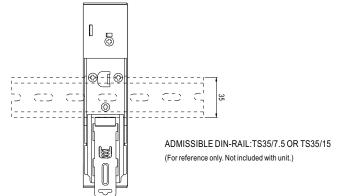
Pin No.	Assignment		
1	AC/L or DC Input +Vin		
2	AC/N or DC Input -Vin		
3	FG ⊕		

#### ■ Recommend Wiring

	AC Input T.B	DC Output T.B	Signal connector
Solid Wire	6mm² max.	6mm² max.	1.5mm² max.
A.W.G	22~10 AWG	22~10 AWG	24~16 AWG
Screw Terminal Torque	9 Lb-In	9 Lb-In	1



#### ■ Installation Instruction



This series fits DIN rail TS35/7.5 or TS35/15. For installation details, please refer to the Instruction manual.

#### ■ Installation Manual

Please refer to: http://www.meanwell.com/manual.html































- · 85~264Vac input range
- Global certificates in multi-fields (ITE 62368-1, Industrial 61558-1/-2-16, 61010)
- · 30mm slim width
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- · Built-in constant current limiting circuit
- · Protections: Short circuit / Overload / Over voltage / Over temperature
- · Fanless design, cooling by free air convection
- · Over voltage category III (OVC III)
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- · Operating altitude up to 5000 meters
- · Built-in DC OK relay contact
- · Can be installed on DIN rail TS-35/7.5 or 15
- · 3 years warranty









### Applications

- · Industrial control system
- · Semiconductor fabrication equipment
- Factory automation
- Electro-mechanical apparatus
- · Battery charger

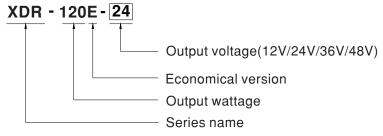
#### GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

### Description

The XDR-120E series is a 120W AC/DC economical ultra slim industrial DIN rail power. Key features of this series include a narrow 30mm casing, optimizing system installation space, and an ultra-wide input range of 85~264Vac suitable for global use. It boasts a maximum efficiency of 91% and a low standby power consumption <1W for energy savings and carbon reduction. It has built-in constant current, fanless design, a wide operating temperature range of -40 to +70°C (up to +50°C at full load); OVCIII compliance; built-in DC OK signal. With comprehensive protection functions, complete safety certifications, and a 3-years warranty, the XDR-120E series is a compact, high-performance, and highly reliable DIN rail power supply.





# 120W AC/DC Economical Ultra Slim Industrial DIN Rail Power XDR-120E series

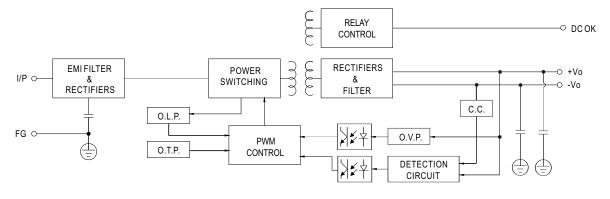
#### SPECIFICATION

MODEL		XDR-120E-12	XDR-120E-24	XDR-120E-36	XDR-120E-48	
	DC VOLTAGE	12V	24V	36V	48V	
	RATED CURRENT	10A	5A	3.33A	2.5A	
	CURRENT RANGE	0 ~ 10A	0 ~ 5A	0 ~ 3.33A	0 ~ 2.5A	
	RATED POWER	120W	120W	119.88W	120W	
	RIPPLE & NOISE (max.) Note.2	100mVp-p	120mVp-p	150mVp-p	150mVp-p	
	VOLTAGE ADJ. RANGE	12 ~ 15V	24 ~ 29V	36 ~ 42V	48 ~ 55V	
UTPUT	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%	
		±0.5%				
	LINE REGULATION		±0.5%	±0.5%	±0.5%	
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	
	SETUP, RISE TIME		s, 60ms/115Vac at full load			
	HOLD UP TIME (Typ.)	16ms/230Vac 8ms/115Vac at fu	ıll load			
	AC VOLTAGE RANGE	85 ~ 264Vac				
	DC VOLTAGE RANGE	120 ~ 370Vdc				
	NO LOAD POWER CONSUMPTION (Typ.)	0.9W @115Vac & 230Vac	1W @115Vac & 230Vac			
NPUT	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	89%	91%	91%	91%	
	AC CURRENT (Typ.)	2.25A/115Vac 1.3A/230Vac	'	·	<u>'</u>	
	INRUSH CURRENT (Typ.)	COLD START 20A/115Vac	40A/230Vac			
	LEAKAGE CURRENT	<1mA/240Vac				
	OVERLOAD		constant current limiting with	out shutdown, recovers automatically a	fter fault condition is removed	
	OVEREDAD					
ROTECTION	OVER VOLTAGE	15 ~ 18V	30 ~ 34V	43 ~ 50V	56 ~ 65V	
		Protection type : Shut down o/p v	• •			
	OVER TEMPERATURE	Protection type : Shut down o/p v	oltage,recovers automatically	after fault condition is removed		
UNCTION	DC OK RELAY CONTACT	Relay Contact Ratings (max.):30V	dc/1A, 30Vac/0.5A resistive loa	d		
	WORKING TEMP. Note.4	-40 ∼ $+70$ °C (Refer to "Derating C	Curve")			
	WORKING HUMIDITY	20 ~ 95% RH non-condensing				
NVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing				
	TEMP. COEFFICIENT	±0.03% /°C (0 ~ 50°C)	<u> </u>			
	VIBRATION	\ /	/1 cycle 60min each along Y V	7 aves: Mounting: Compliance to IEC60068	2.6	
	SAFETY STANDARDS	Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6  UL61010; TUV BS EN/EN62368-1, BS EN/EN61558-1/-2-16, BS EN/EN61010; CB IEC62368-1, IEC61558-1, IEC61010;  RCM AS/NZS 62368-1, AS/NZS 61558-1/-2-16; BIS IS13252 (Part 1):2010; BSMI CNS15598-1; CCC GB4943.1;  EAC TPTC004 approved; KC KC62368-1 certified, no stock ,contact sale for inquires				
	OVER VOLTAGE CATEGORY Note.5	IEC/EN 61558-1/-2-16 (OVC III, altitude up to 2000m) IEC/EN/UL 61010 (OVC II, altitude up to 5000m) IEC/EN 62368-1 (OVC II, altitude up to 5000m)				
	SAFETY EXTRA-LOW VOLTAGE(SELV)	IEC/EN 61558-2-16 (SELV ) IEC/EN/UL 61010-2-201 (SELV ) IEC/EN 62368-1 (SELV / ES1 )				
	WITHSTAND VOLTAGE	I/P-O/P: 4KVac I/P-FG: 2KV	/ac O/P-FG: 1.5KVac	O/P-DC OK: 0.5KVac		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG: 100	M Ohms/500VDC/25 °C / 70°	%RH		
		Parameter	Standard		Test Level / Note	
AFETY &		Conducted	BS EN/EN55032 (CISPR3)	2) / BS EN/EN61204-3 / CNS15936	Class B	
MC		Radiated	,	2) / BS EN/EN61204-3 / CNS15936	Class B	
MC lote 7)	EMC EMISSION	Harmonic Current	BS EN/EN61000-3-2	,	Class A	
.5.0 1 1		Voltage Flicker	BS EN/EN61000-3-2			
		BS EN/EN55035 , BS EN/EN6		2/RS EN/EN50082-2\		
			Standard	,		
		Parameter		Test Level / Note	pontant: pritoria A	
		ESD Particular	BS EN/EN61000-4-2	Level 3, 8KV air ; Level 3, 4KV o	Joniaci, Criteria A	
	EMC IMMUNITY	Radiated	BS EN/EN61000-4-3	Level 3, 10V/m; criteria A		
	LING IMMORTH I	EFT / Burst	BS EN/EN61000-4-4	Level 2, 2KV ; criteria A		
		Surge	BS EN/EN61000-4-5		1, 4KV/Line-Line-Chassis ;criteria	
		Conducted	BS EN/EN61000-4-6	Level 3, 10V; criteria A		
		Magnetic Field	BS EN/EN61000-4-8	Level 4, 30A/m ; criteria A		
	MTBF	2223.1K hrs min. Telcordia SR-332 (Bellcore); 440.4K hrs min. MIL-HDBK-217F (25°C)				
THERS	DIMENSION	30*125.2*116mm (W*H*D)				
	PACKING	420g; 24pcs/11.1Kg/1.27CUFT				
OTE	Ripple & noise are measured     Tolerance: includes set up to the temperature is beto the temperature defended in the temperature defended in the temperature defended in case the adjacent device the temperature defended in the temperature defended i	d at 20MHz of bandwidth by unolerance, line regulation and tween -40 ° C and -20 ° C and strating of 3.5°C/1000m with fairm on top, 20mm on the botto is a heat source, 15mm cleara	sing a 12" twisted pair-wire load regulation. the input voltage is betweenless models and of 5°C/10 m, 5mm on the left and riglance is recommended. e installed into a final equi	and $25^{\circ}$ C of ambient temperature. The terminated with a 0.1 $\mu$ F & 47 $\mu$ F pen 85V and 90V, the temperature de 300m with fan models for operating and side are recommended when load opment. The final equipment must be	erating curve drops to 40%. altitude higher than 2000m(6500f led permanently with full power.	

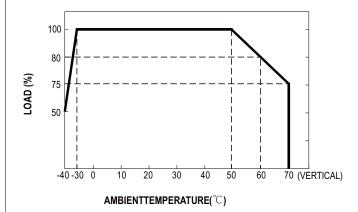


#### ■ Block Diagram

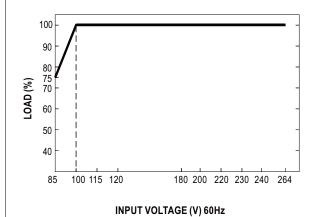
PWM fosc: 70KHz



#### ■ Derating Curve



#### ■ Static Characteristics



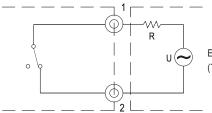




#### **■** Function Manual

#### 1.DC OK Relay Contact

Contact Close	PSU turns ON/DC OK.	
Contact Open	PSU turns OFF/DC Fail.	
Contact Ratings (max.)	30Vdc/1A, 30Vac/0.5A resistive load.	



External voltage source (U) and resistor (R) (The max. Sink is 30Vdc/1A,30Vac/0.5A)

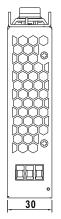
Internal circuit of DC\_OK, via relay contact





#### ■ Mechanical Specification

(Unit:mm, Tolerance ±1mm)



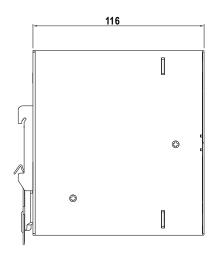
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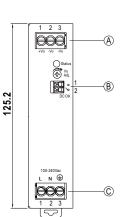
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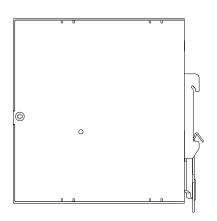
Pin No.	Assignment
1	DC Output +Vo
2,3	DC Output -Vo

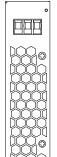
(B): Control Pin No.Assignment

	Pin No.	Assignment		
	1,2	DC OK Relay Contact		









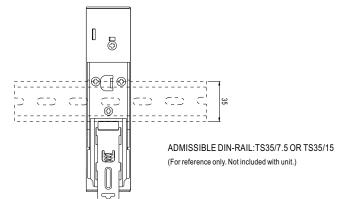
©: Terminal Pin No.Assignment

Pin No.	Assignment		
1	AC/L or DC Input +Vin		
2	AC/N or DC Input -Vin		
3	FG ⊕		

#### ■ Recommend Wiring

	AC Input T.B	DC Output T.B	Signal connector
Solid Wire	6mm² max.	6mm² max.	1.5mm² max.
A.W.G	22~10 AWG	22~10 AWG	24~16 AWG
Screw Terminal Torque	9 Lb-In	9 Lb-In	1

#### ■ Installation Instruction



This series fits DIN rail TS35/7.5 or TS35/15. For installation details, please refer to the Instruction manual.

#### ■ Installation Manual

Please refer to: http://www.meanwell.com/manual.html

## 150W AC/DC Economical Ultra Slim Industrial DIN Rail Power XDR-150E series





































# Features

- · 85~264Vac input range
- · Global certificates in multi-fields (ITE 62368-1, Industrial 61558-1/-2-16, 61010)
- · 30mm slim width
- · High efficiency up to 91% and no load power dissipation<1W
- · Built-in constant current limiting circuit
- · Protections: Short circuit / Overload / Over voltage / Over temperature
- · Fanless design, cooling by free air convection
- · Over voltage category III (OVC III)
- -40~+70°C wide range operation temperature (>+50°C derating)
- · Operating altitude up to 5000 meters
- · Built-in DC OK relay contact
- · Can be installed on DIN rail TS-35/7.5 or 15
- · 3 years warranty

# Applications

- · Industrial control system
- Semiconductor fabrication equipment
- Factory automation
- Electro-mechanical apparatus
- Battery charger

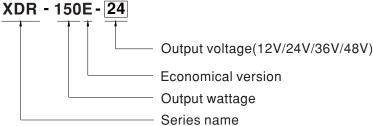
#### GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

### Description

The XDR-150E series is a 150W AC/DC economical ultra slim industrial DIN rail power. Key features of this series include a narrow 30mm casing, optimizing system installation space, and an ultra-wide input range of 85~264Vac suitable for global use. It boasts a maximum efficiency of 91% and a low standby power consumption<1W for energy savings and carbon reduction. It has built-in constant current, fanless design, a wide operating temperature range of -40 to +70°C (up to +50°C at full load); OVCIII compliance; built-in DC OK signal. With comprehensive protection functions, complete safety certifications, and a 3-years warranty, the XDR-150E series is a compact, high-performance, and highly reliable DIN rail power supply.







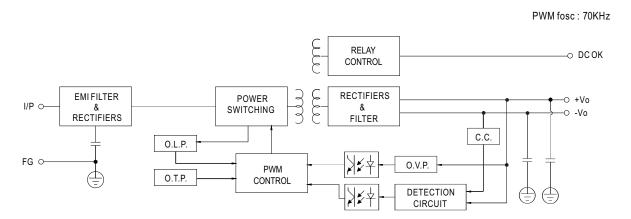
# 150W AC/DC Economical Ultra Slim Industrial DIN Rail Power XDR-150E series

			XDR-150E-12	XDR-150E-24	XDR-150E-36	XDR-150E-48	
	DC VOLTAGE		12V	24V	36V	48V	
	5010211102	115VAC	10A	5.2A	3.46A	2.6A	
	RATED CURRENT	230VAC	11A	6.5A	4.33A	3.25A	
		115VAC					
	CURRENT RANGE		0 ~ 10A	0 ~ 5.2A	0~3.46A	0 ~ 2.6A	
		230VAC	0 ~ 11A	0 ~ 6.5A	0~4.33A	0 ~ 3.25A	
	RATED POWER	115VAC	120W	124.8W	124.6W	124.8W	
	KAILD I OWEK	230VAC	132W	156W	155.9W	156W	
	RIPPLE & NOISE (max.)	Note.2	100mVp-p	120mVp-p	150mVp-p	200mVp-p	
UTDUT	VOLTAGE ADJ. RANGE		12 ~ 15V	24 ~ 29V	36 ~ 42V	48 ~ 55V	
JTPUT	VOLTAGE TOLERANCE	Note.3	±2.0%	±1.0%	±1.0%	±1.0%	
	LINE REGULATION	1101010	±0.5%	±0.5%	±0.5%	±0.5%	
	LOAD REGULATION		±1.0%	±1.0%	±1.0%		
					⊥ 1.076	±1.0%	
	SETUP, RISE TIME		,	, 60ms/115Vac at full load			
	HOLD UP TIME (Typ.)		16ms/230Vac 8ms/115Vac at ful	lload			
	AC VOLTAGE RANGE		85 ~ 264Vac				
	DC VOLTAGE RANGE		120 ~ 370Vdc				
	NO LOAD POWER CONSU	JMPTION (Typ.)	0.9W @115Vac & 230Vac	1W @115Vac & 230Vac			
	FREQUENCY RANGE	( ,, ,	47 ~ 63Hz				
PUT			**	040/	040/	040/	
	EFFICIENCY (Typ.)		89%	91%	91%	91%	
	AC CURRENT (Typ.)		2.6A/115Vac 1.6A/230Vac				
	INRUSH CURRENT (Typ	p.)	COLD START 20A/115Vac 4	0A/230Vac			
	LEAKAGE CURRENT		<1mA/240Vac				
	OVERLOAR		105~130% rated output power,c	constant current limiting without s	shutdown, recovers automatically a	fter fault condition is removed /230	
	OVERLOAD		105~150% rated output power,c	constant current limiting without	shutdown, recovers automatically a	fter fault condition is removed/115	
OTECTION			15~18V	30 ~ 34V	43 ~ 50V	56 ~ 65V	
	OVER VOLTAGE		Protection type : Shut down o/p vo	oltage, re-power on to recover			
	OVER TEMPERATURE		Protection type : Shut down o/p vo	0	or fault condition is removed		
WATION				· · · · · · · · · · · · · · · · · · ·	er lauft condition is removed		
INCTION	DC OK RELAY CON	TACT	Relay Contact Ratings (max.):30Vd				
	WORKING TEMP.	Note.4	-40 ~ +70°C (Refer to "Derating Co	urve")			
				non-condensing			
	WORKING HUMIDITY		20 ~ 95% RH non-condensing				
NVIRONMENT		IDITY	20 ~ 95% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-cor	ndensing			
NVIRONMENT	STORAGE TEMP., HUM	IDITY	-40 ~ +85°C, 10 ~ 95% RH non-cor	ndensing			
NVIRONMENT	STORAGE TEMP., HUM TEMP. COEFFICIENT	IIDITY	-40 ~ +85 °C , 10 ~ 95% RH non-cor ±0.03% /°C (0 ~ 50 °C)	Ţ	es: Mounting: Compliance to IEC60068.	2-6	
NVIRONMENT	STORAGE TEMP., HUM	IIDITY	-40 ~ +85°C, 10 ~ 95% RH non-cor ±0.03% /°C (0 ~ 50°C) Component:10 ~ 500Hz, 2G 10min./	1cycle, 60min. each along X, Y, Z axe	es; Mounting: Compliance to IEC60068-		
NVIRONMENT	STORAGE TEMP., HUM TEMP. COEFFICIENT	IIDITY	-40 ~ +85°C, 10 ~ 95% RH non-cor ±0.03% f°C (0 ~ 50°C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236	1cycle, 60min. each along X, Y, Z axe 8-1, BS EN/EN61558-1/-2-16,	es; Mounting: Compliance to IEC60068- BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1	, IEC61558-1, IEC61010;	
NVIRONMENT	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION	IIDITY	-40 ~ +85°C, 10 ~ 95% RH non-cor ±0.03% f°C (0 ~ 50°C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236	1cycle, 60min. each along X, Y, Z axe 8-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 (	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1	, IEC61558-1, IEC61010;	
NVIRONMENT	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS		-40 ~ +85°C, 10 ~ 95% RH non-cor ±0.03% f°C (0 ~ 50°C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III	1cycle, 60min. each along X, Y, Z axe 8-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, co	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1	, IEC61558-1, IEC61010;	
NVIRONMENT	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION		-40 ~ +85°C, 10 ~ 95% RH non-cor ±0.03% /°C (0 ~ 50°C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC II	1cycle, 60min. each along X, Y, Z axe 8-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, co	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1	, IEC61558-1, IEC61010;	
NVIRONMENT	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS		$\begin{array}{c} -40 \sim +85^{\circ}\mathrm{C},10 \sim 95\%\mathrm{RHnon\text{-}col} \\ \pm 0.03\%f^{\circ}\mathrm{C}(0 \sim 50^{\circ}\mathrm{C}) \\ \\ \mathrm{Component:}10 \sim 500\mathrm{Hz},2\mathrm{G}10\mathrm{min}./\\ \mathrm{UL61010};\mathrm{TUV}\mathrm{BS}\mathrm{EN/EN6236} \\ \mathrm{RCM}\mathrm{AS/NZS}62368-1,\mathrm{AS/NZ:} \\ \mathrm{EAC}\mathrm{TPTC004}\mathrm{approved;}\mathrm{KC}\mathrm{K}\\ \mathrm{IEC/EN}61558-1/-2-16(\mathrm{OVC}\mathrm{III}\\ \mathrm{IEC/EN/UL}61010(\mathrm{OVC}\mathrm{II}\\ \mathrm{IEC/EN}62368-1(\mathrm{OVC}\mathrm{II}\\ \mathrm{IEC/EN}62368-1(\mathrm{OVC}\mathrm{II}\\ \end{array}$	1cycle, 60min. each along X, Y, Z axe, 8-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 (C62368-1 certified, no stock, cc, altitude up to 2000m), altitude up to 5000m), altitude up to 5000m)	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1	, IEC61558-1, IEC61010;	
NVIRONMENT	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS OVER VOLTAGE CATEG	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50 °C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III IEC/EN 62368-1 (OVC III IEC/EN 61558-2-16 (SELV	1cycle, 60min. each along X, Y, Z axe 8-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc, , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m)	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1	, IEC61558-1, IEC61010;	
NVIRONMENT	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS OVER VOLTAGE CATEG SAFETY EXTRA-LO	ORY Note.4	-40 ~ +85°C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50°C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC III IEC/EN 62368-1 (OVC III IEC/EN 61558-2-16 (SELV IEC/EN/UL 61010-2-201 (SELV	1cycle, 60min. each along X, Y, Z axe 8-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, co., altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m)	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1	, IEC61558-1, IEC61010;	
NVIRONMENT	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV)	ORY Note.4	$ \begin{array}{c} -40 \sim +85 ^{\circ} \text{C} \ , 10 \sim 95 ^{\circ} \text{RH non-coil} \\ \pm 0.03 ^{\circ} \ / ^{\circ} \ (0 \sim 50 ^{\circ} \text{C}) \\ \hline \pm 0.03 ^{\circ} \ / ^{\circ} \ (0 \sim 50 ^{\circ} \text{C}) \\ \hline \text{Component:} 10 \sim 500 \text{Hz} \ , 2G \ 10 \text{min.} / \\ \hline \text{UL61010;} \ \text{TUV BS EN/EN6236} \\ \text{RCM AS/NZS 62368-1, AS/NZ:} \\ \hline \text{EAC TPTC004 approved;} \ \text{KC K} \\ \hline \text{IEC/EN 61558-1/-2-16 (OVC III} \\ \hline \text{IEC/EN WIL 61010} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	1cycle, 60min. each along X, Y, Z axe 8-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m ) , altitude up to 5000m ) , altitude up to 5000m ) ) / ES1 )	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 ontact sale for inquires	, IEC61558-1, IEC61010;	
IVIRONMENT	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50 °C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC III IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV.	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m ) , altitude up to 5000m ) , altitude up to 5000m ) ) ) / ES1 ) ac O/P-FG: 1.5KVac O/I	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 ontact sale for inquires  P-DC OK: 0.5KVac	, IEC61558-1, IEC61010;	
NVIRONMENT	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV)	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50 °C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 62368-1 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P, I/P-FG; 0/P-FG: 100M	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) ) / ES1) ac O/P-FG: 1.5KVac O/I	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 ontact sale for inquires  P-DC OK: 0.5KVac	, IEC61558-1, IEC61010; CCC GB4943.1;	
	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50 °C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC III IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV.	1cycle, 60min. each along X, Y, Z axe, 8-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 (C62368-1 certified, no stock, cc, altitude up to 2000m), altitude up to 5000m), altitude up to 5000m) ) ) / ES1) ac O/P-FG: 1.5KVac O/I	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 ontact sale for inquires  P-DC OK: 0.5KVac	, IEC61558-1, IEC61010;	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50 °C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 62368-1 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P, I/P-FG; 0/P-FG: 100M	1cycle, 60min. each along X, Y, Z axe, 8-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 (C62368-1 certified, no stock, cc, altitude up to 2000m), altitude up to 5000m), altitude up to 5000m) ) ) / ES1) ac O/P-FG: 1.5KVac O/I	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 ontact sale for inquires  P-DC OK: 0.5KVac	, IEC61558-1, IEC61010; CCC GB4943.1;	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANO	ORY Note.4	-40 ~ +85°C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50°C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC III IEC/EN 62368-1 (OVC III IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P, I/P-FG, O/P-FG: 100M Parameter	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) ) / ES1) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 ontact sale for inquires  P-DC OK: 0.5KVac	, IEC61558-1, IEC61010; CCC GB4943.1; Test Level / Note	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-cor ±0.03% /°C (0 ~ 50 °C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC III IEC/EN 62368-1 (OVC III IEC/EN 61558-2-16 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P, I/P-FG, O/P-FG: 100M Parameter Conducted	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) ) / ES1) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 ontact sale for inquires  P-DC OK: 0.5KVac	, IEC61558-1, IEC61010; CCC GB4943.1; Test Level / Note Class B	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANO	ORY Note.4	-40 ~ +85°C, 10 ~ 95% RH non-cor ±0.03% ∫C (0 ~ 50°C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TVD BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III IEC/EN 62368-1 (OVC III IEC/EN 62368-1 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P, I/P-FG, O/P-FG: 100M Parameter Conducted Radiated Harmonic Current	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, ct , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) / ES1 ) ac O/P-FG: 1.5KVac O/I 1 Ohms/500VDC/25 °C / 70%RH Standard  BS EN/EN55032 (CISPR32) / E BS EN/EN55032 (CISPR32) / E	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 ontact sale for inquires  P-DC OK: 0.5KVac	, IEC61558-1, IEC61010; CCC GB4943.1; Test Level / Note Class B Class B	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANO	ORY Note.4	-40 ~ +85°C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50°C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC III IEC/EN/UL 61010 (OVC III IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IPC-O/P: 4KVac I/P-FG: 2KV: I/P-O/P, I/P-FG, O/P-FG: 100M Parameter Conducted Radiated Harmonic Current Voltage Flicker	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) / ES1 ) ac O/P-FG: 1.5KVac O/I 1 Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 Intact sale for inquires  P-DC OK: 0.5KVac  BS EN/EN61204-3 / CNS15936 BS EN/EN61204-3 / CNS15936	Test Level / Note Class B Class A	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANO	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50 °C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC III IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P, I/P-FG, O/P-FG: 100M Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN61	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) / ES1) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25 °C / 70%RH Standard  BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2 204-3, BS EN/EN61000-6-2(BS	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 Intact sale for inquires  P-DC OK: 0.5KVac  BS EN/EN61204-3 / CNS15936 BS EN/EN61204-3 / CNS15936  EN/EN50082-2)	Test Level / Note Class B Class A	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANO	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% /°C (0 ~ 50 °C)  Component:10 ~ 500Hz, 2G 10min./  UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K  IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC III IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN/EN 62368-1 (SELV IP-O/P: 4KVac I/P-FG: 2KV. I/P-O/P; I/P-FG, O/P-FG: 100M  Parameter  Conducted  Radiated  Harmonic Current  Voltage Flicker  BS EN/EN55035 , BS EN/EN61	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) / ES1) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2 204-3, BS EN/EN61000-6-2(BS) Standard	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 portact sale for inquires  P-DC OK: 0.5KVac  BS EN/EN61204-3 / CNS15936 BS EN/EN61204-3 / CNS15936 BS EN/EN61204-3 / CNS15936  EN/EN50082-2)  Test Level / Note	Test Level / Note Class B Class A	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANO	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50 °C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P, I/P-FG, O/P-FG: 100M Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN61 Parameter ESD	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) / ES1) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2 204-3, BS EN/EN61000-6-2(BS Standard BS EN/EN61000-4-2	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 portact sale for inquires  P-DC OK: 0.5KVac  BS EN/EN61204-3 / CNS15936 BS EN/EN61204-3 / CNS15936  EN/EN50082-2)  Test Level / Note Level 3, 8KV air; Level 3, 4KV of	Test Level / Note Class B Class A	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LC VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANG EMC EMISSION	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50 °C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 62368-1 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P: 4KVac I/P-FG: 100M Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN61 Parameter ESD Radiated	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) / ES1) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2 204-3, BS EN/EN61000-6-2(BS) Standard	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 portact sale for inquires  P-DC OK: 0.5KVac  BS EN/EN61204-3 / CNS15936 BS EN/EN61204-3 / CNS15936 BS EN/EN61204-3 / CNS15936  EN/EN50082-2)  Test Level / Note	Test Level / Note Class B Class A	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANO	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50 °C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P, I/P-FG, O/P-FG: 100M Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN61 Parameter ESD	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) / ES1) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2 204-3, BS EN/EN61000-6-2(BS Standard BS EN/EN61000-4-2	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 portact sale for inquires  P-DC OK: 0.5KVac  BS EN/EN61204-3 / CNS15936 BS EN/EN61204-3 / CNS15936  EN/EN50082-2)  Test Level / Note Level 3, 8KV air; Level 3, 4KV of	Test Level / Note Class B Class A	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LC VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANG EMC EMISSION	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50 °C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 62368-1 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P: 4KVac I/P-FG: 100M Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN61 Parameter ESD Radiated	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) / ES1) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2 204-3, BS EN/EN61000-6-2(BS Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 portact sale for inquires  P-DC OK: 0.5KVac  BS EN/EN61204-3 / CNS15936  BS EN/EN61204-3 / CNS15936  EN/EN50082-2)  Test Level / Note  Level 3, 8KV air; Level 3, 4KV of Level 3, 10V/m; criteria A  Level 2, 2KV; criteria A	Test Level / Note Class B Class B Class A	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LC VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANG EMC EMISSION	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50 °C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 62368-1 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P, I/P-FG, O/P-FG: 100M Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN61 Parameter ESD Radiated EFT / Burst	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) / ES1) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2 204-3, BS EN/EN61000-6-2(BS Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 portact sale for inquires  P-DC OK: 0.5KVac  BS EN/EN61204-3 / CNS15936  BS EN/EN61204-3 / CNS15936  EN/EN50082-2)  Test Level / Note  Level 3, 8KV air; Level 3, 4KV of Level 3, 10V/m; criteria A  Level 2, 2KV; criteria A	Test Level / Note Class B Class B Class A	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LC VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANG EMC EMISSION	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% ∫C (0 ~ 50 °C) Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 62368-1 (SELV IEC/EN 1010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P; H/P-FG, O/P-FG: 100M Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN61 Parameter ESD Radiated EFT / Burst Surge	1cycle, 60min. each along X, Y, Z axx 8-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) / ES1) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25°C/70%RH Standard BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 portact sale for inquires  P-DC OK: 0.5KVac  BS EN/EN61204-3 / CNS15936  BN/EN61204-3 / CNS15936  EN/EN50082-2)  Test Level / Note  Level 3, 8KV air; Level 3, 4KV of Level 3, 10V/m; criteria A  Level 2, 2KV; criteria A  Level 4, 2KV/Line-Line; Level 4	Test Level / Note Class B Class B Class A	
AFETY &	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LC VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANG EMC EMISSION	ORY Note.4	-40 ~ +85°C, 10 ~ 95% RH non-col ±0.03% /°C (0 ~ 50°C)  Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC III IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P: 4KVac I/P-FG: 100M Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN61 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 (C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) / ES1) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 part 2):2010; BSMI CNS15598-1 part 3):2010; BSMI CNS15598-1 part 4:2010; BSMI CNS15936  BS EN/EN61204-3 / CNS15936  BN/EN61204-3 / CNS15936  EN/EN50082-2)  Test Level / Note  Level 3, 8KV air; Level 3, 4KV of Level 3, 10V/m; criteria A  Level 2, 2KV; criteria A  Level 4, 2KV/Line-Line; Level 4  Level 4, 30A/m; criteria A	Test Level / Note Class B Class B Class A	
AFETY & MC ote 7)	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LC VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANC  EMC EMISSION  EMC IMMUNITY	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% /°C (0 ~ 50 °C)  Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC III IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IP-O/P; 4KVac I/P-FG: 2KV: I/P-O/P, I/P-FG, O/P-FG: 100M Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN61 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 2201.7K hrs min. Telcordia	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 (C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) / ES1) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 portact sale for inquires  P-DC OK: 0.5KVac  BS EN/EN61204-3 / CNS15936  BS EN/EN61204-3 / CNS15936  EN/EN50082-2)  Test Level / Note  Level 3, 8KV air; Level 3, 4KV of Level 3, 10V/m; criteria A  Level 2, 2KV; criteria A  Level 4, 2KV/Line-Line; Level 4  Level 3, 10V; criteria A	Test Level / Note Class B Class B Class A	
AFETY & MC lote 7)	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANO EMC EMISSION  EMC IMMUNITY  MTBF DIMENSION	ORY Note.4	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% /°C (0 ~ 50 °C)  Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K  IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC III IEC/EN/UL 61010 (OVC III IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IP-O/P: 4KVac I/P-FG: 2KV: I/P-O/P; I/P-FG, O/P-FG: 100M Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN61 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 2201.7K hrs min. Telcordia 30*125.2*116mm (W*H*D)	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m ) , altitude up to 5000m ) , altitude up to 5000m ) ) / ES1 ) ac O/P-FG: 1.5KVac O/I Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2 BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-6 BS EN/EN61000-4-8 SR-332 (Bellcore) ; 440	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 part 2):2010; BSMI CNS15598-1 part 3):2010; BSMI CNS15598-1 part 4:2010; BSMI CNS15936  BS EN/EN61204-3 / CNS15936  BN/EN61204-3 / CNS15936  EN/EN50082-2)  Test Level / Note  Level 3, 8KV air; Level 3, 4KV of Level 3, 10V/m; criteria A  Level 2, 2KV; criteria A  Level 4, 2KV/Line-Line; Level 4  Level 4, 30A/m; criteria A	Test Level / Note Class B Class B Class A	
AFETY & MC ote 7)	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANO EMC EMISSION  EMC IMMUNITY  MTBF DIMENSION PACKING	ORY Note.4  DW  CE	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% / °C (0 ~ 50 °C)  Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 62368-1 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IPC-O/P: 4KVac I/P-FG: 2KV: I/P-O/P: 4KVac I/P-FG: 100M Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN61 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 2201.7K hrs min. Telcordia 30*125.2*116mm (W*H*D) 430g; 24pcs/11.3Kg/1.27CUF	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16, S 61558-1/-2-16; BIS IS13252 ( C62368-1 certified, no stock, cc , altitude up to 2000m ) , altitude up to 5000m ) , altitude up to 5000m ) ) / ES1 ) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2 BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 SR-332 (Bellcore) ; 440	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 part 1):2010; BSMI CNS15598-1 part 1):2010; BSMI CNS15598-1 part 1):2010; BSMI CNS15598-1 part 2010; BSMI CNS15936  BS EN/EN61204-3 / CNS15936  BS EN/EN61204-3 / CNS15936  BN/EN50082-2)  Test Level / Note Level 3, 8KV air; Level 3, 4KV of Level 3, 10V/m; criteria A Level 2, 2KV; criteria A Level 4, 2KV/Line-Line; Level 4 Level 4, 30A/m; criteria A Level 4, 30A/m; criteria A Level 4, 30A/m; criteria A	Test Level / Note Class B Class B Class A	
NFETY & MC ote 7)	STORAGE TEMP., HUM TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS  OVER VOLTAGE CATEG SAFETY EXTRA-LO VOLTAGE(SELV) WITHSTAND VOLTAGE ISOLATION RESISTANO EMC EMISSION  EMC IMMUNITY  MTBF DIMENSION PACKING 1. All parameters N	ORY Note.4  DW  CE  OT special	-40 ~ +85 °C, 10 ~ 95% RH non-coi ±0.03% /°C (0 ~ 50 °C)  Component:10 ~ 500Hz, 2G 10min./ UL61010; TUV BS EN/EN6236 RCM AS/NZS 62368-1, AS/NZ: EAC TPTC004 approved; KC K IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC II IEC/EN/UL 61010 -2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV: I/P-O/P; I/P-FG, O/P-FG: 100M Parameter  Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN61 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 2201.7K hrs min. Telcordia 30*125.2*116mm (W*H*D) 430g; 24pcs/11.3Kg/1.27CUF	1cycle, 60min. each along X, Y, Z axe 18-1, BS EN/EN61558-1/-2-16; S 61558-1/-2-16; BIS IS13252 (C62368-1 certified, no stock, cc , altitude up to 2000m) , altitude up to 5000m) , altitude up to 5000m) ) / ES1) ac O/P-FG: 1.5KVac O/I I Ohms/500VDC/25 °C / 70%RH Standard BS EN/EN55032 (CISPR32) / E BS EN/EN61000-3-2 BS EN/EN61000-3-2 204-3, BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 SR-332 (Bellcore); 440 T 230Vac input, rated load and 2	BS EN/EN61010; CB IEC62368-1 Part 1):2010; BSMI CNS15598-1 part 1):2010; BSMI CNS15598-1 part 1):2010; BSMI CNS15598-1 part 1):2010; BSMI CNS15598-1 part 2010; BSMI CNS15936  BS EN/EN61204-3 / CNS15936  BS EN/EN61204-3 / CNS15936  BN/EN50082-2)  Test Level / Note Level 3, 8KV air; Level 3, 4KV of Level 3, 10V/m; criteria A Level 2, 2KV; criteria A Level 4, 2KV/Line-Line; Level 4 Level 4, 30A/m; criteria A Level 4, 30A/m; criteria A Level 4, 30A/m; criteria A	Test Level / Note Class B Class B Class A contact; criteria A	

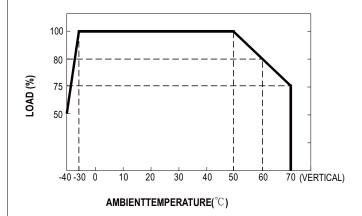
NOTE

- 5. The ambient temperature derating of  $3.5^{\circ}$ C/1000m with fanless models and of  $5^{\circ}$ C/1000m with fan models for operating altitude higher than 2000m(6500ft).
- 6. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source, 15mm clearance is recommended.
- 7. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. (as available on https://www.meanwell.com//Upload/PDF/EMI\_statement\_en.pdf )
- % Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

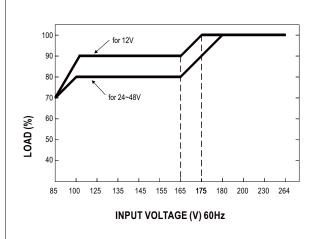
#### ■ Block Diagram



#### ■ Derating Curve



#### ■ Static Characteristics

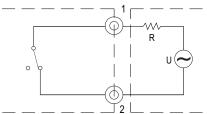


# 150W AC/DC Economical Ultra Slim Industrial DIN Rail Power XDR-150E series

#### **■** Function Manual

#### 1.DC OK Relay Contact

Contact Close	PSU turns ON/DC OK.	
Contact Open	PSU turns OFF/DC Fail.	
Contact Ratings (max.)	30Vdc/1A, 30Vac/0.5A resistive load.	



External voltage source (U) and resistor (R) (The max. Sink is 30Vdc/1A,30Vac/0.5A)

Internal circuit of DC\_OK, via relay contact



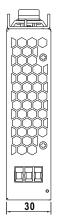






#### ■ Mechanical Specification

(Unit:mm, Tolerance ±1mm)



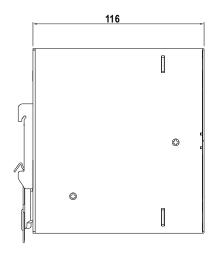
#### Case No.301

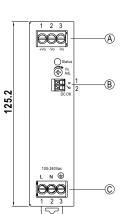
#### igatimes : Terminal Pin No.Assignment

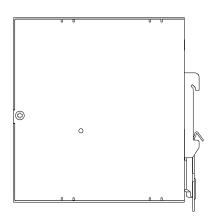
Pin No.	Assignment	
1	DC Output +Vo	
2,3	DC Output -Vo	

B: Control Pin No.Assignment

Pin No.	Assignment
1,2	DC OK Relay Contact

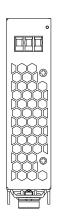








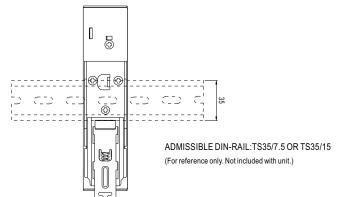
Torrininar i in rion toorginiront			
Pin No.	Assignment		
1	AC/L or DC Input +Vin		
2	AC/N or DC Input -Vin		
3	FG (±)		



#### ■ Recommend Wiring

	AC Input T.B	DC Output T.B	Signal connector
Solid Wire	6mm² max.	6mm² max.	1.5mm² max.
A.W.G	22~10 AWG	22~10 AWG	24~16 AWG
Screw Terminal Torque	9 Lb-In	9 Lb-In	1

#### ■ Installation Instruction



This series fits DIN rail TS35/7.5 or TS35/15. For installation details, please refer to the Instruction manual.

#### ■ Installation Manual

Please refer to: http://www.meanwell.com/manual.html



















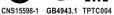














- · 85~264Vac input with PFC
- · Global certificates in multi-fields (ITE 62368-1, Industrial 61558-1/-2-16, 61010)
- · 40mm slim width
- · High efficiency up to 95.5% and no load power dissipation<1.2W
- · Built-in constant current limiting circuit
- · Protections: Short circuit / Overload / Over voltage / Over temperature
- · Fanless design, cooling by free air convection
- · Over voltage category III (OVC III)
- -40~+70°C wide range operation temperature (>+50°C derating)
- · Operating altitude up to 5000 meters
- · Built-in DC OK relay contact
- · Can be installed on DIN rail TS-35/7.5 or 15
- · 3 years warranty

Applications

- · Industrial control system
- Semiconductor fabrication equipment
- Factory automation
- Electro-mechanical apparatus
- Battery charger

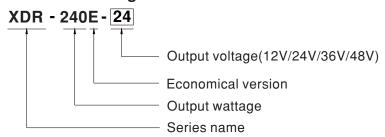
#### GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

### Description

The XDR-240E series is a 240W AC/DC economical ultra slim industrial DIN rail power. Key features of this series include a narrow 40mm casing, optimizing system installation space, and an ultra-wide input range of 85~264Vac suitable for global use. It boasts a maximum efficiency of 95.5% and a low standby power consumption<1.2W for energy savings and carbon reduction. It has built-in constant current, fanless design, a wide operating temperature range of -40 to +70°C (up to +50°C at full load); OVCIII compliance; built-in DC OK signal. With comprehensive protection functions, complete safety certifications, and a 3-years warranty, the XDR-240E series is a compact, high-performance, and highly reliable DIN rail power supply.

## Model Encoding



# 240W AC/DC Economical Ultra Slim Industrial DIN Rail Power XDR-240E series

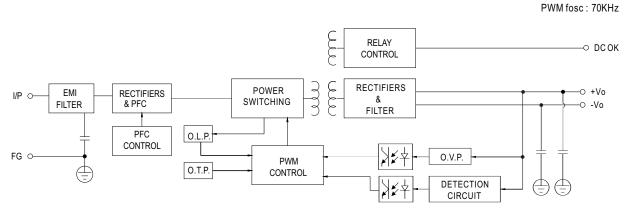
#### SPECIFICATION

		XDR-240E-12	XDR-240E-24	XDR-240E-36	XDR-240E-48
	DC VOLTAGE	12V	24V	36V	48V
	RATED CURRENT	20A	10A	6.66A	5A
			0 ~ 6.66A	0 ~ 5A	
	RATED POWER	240W			
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	120mVp-p	150mVp-p
UTPUT	VOLTAGE ADJ. RANGE	12 ~ 15V	24 ~ 29V	36 ~ 42V	48 ~ 55V
011 01	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%
	SETUP, RISE TIME	1200ms, 60ms/230Vac 2500m	ns, 150ms/115Vac at full load	,	
	HOLD UP TIME (Typ.)	20ms/230Vac 20ms/115Vac at	full load		
	AC VOLTAGE RANGE	85 ~ 264Vac			
	DC VOLTAGE RANGE				
	NO LOAD POWER CONSUMPTION (Typ.)	1W @115Vac & 230Vac		1.2W @115Vac & 230Vac	
	FREQUENCY RANGE	47 ~ 63Hz			
NPUT	· · ·		at full land		
• .	POWDR FACTOR (Typ.)	PF>0.95/230Vac PF>0.98/115Vac			
	EFFICIENCY (Typ.)	94%	95.2%	95.5%	95.5%
	AC CURRENT (Typ.)	2.6A/115Vac 1.3A/230Vac			
	INRUSH CURRENT (Typ.)	COLD START 15A/115Vac	30A/230Vac		
	LEAKAGE CURRENT	<1mA / 240Vac			
		105~130% rated output power			
	OVERLOAD			lly after fault condition is removed	
				rated output voltage, recovers automati	i
ROTECTION	OVER VOLTAGE	Max. 18V	Max. 35V	Max. 50V	Max. 63V
	OVER VOLIAGE	Protection type: Hiccup mode, r	ecovers automatically after faul	t condition is removed	
	OVER TEMPERATURE	Protection type : Shut down o/p v	oltage,recovers automatically a	fter temperature goes down	
UNCTION	DC OK RELAY CONTACT	Relay Contact Ratings (max.):30\	/dc/1A, 30Vac/0.5A resistive load		
	WORKING TEMP.	-40 ~ +70°C (Refer to "Derating 0	Curve")		
	WORKING HUMIDITY	20 ~ 95% RH non-condensing			
NVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-c	ondensina		
	TEMP. COEFFICIENT	±0.03% /°C (0 ~ 50°C)	on donomy		
	VIBRATION	,	/1cvcle_60min_each_along X_V_7	Z Mti Qli t IFQ00000	0.0
	1.5.0			axes; Mounting: Compliance to IEC60068-	
	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II	68-1, BS EN/EN61558-1/-2- ZS 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m) I, altitude up to 5000m)	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1;	, IEC61558-1, IEC61010;
	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 61558-2-16 (SEL^1) IEC/EN/UL 61010-2-201 (SEL^1)	68-1, BS EN/EN61558-1/-2- ZS 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II. altitude up to 2000m ) I., altitude up to 5000m ) V.)	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1;	, IEC61558-1, IEC61010;
	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 61558-2-16 (SELVIEC/EN/UL 61010-2-201 (SELVIEC/EN 62368-1 (SELVIEC/EN 62368-1)	68-1, BS EN/EN61558-1/-2- ZS 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m ) I, altitude up to 5000m ) I, altitude up to 5000m ) V) V)	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c ,contact sale for inquires	, IEC61558-1, IEC61010;
	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 61558-2-16 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV	68-1, BS EN/EN61558-1/-2- ZS 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m ) I, altitude up to 5000m ) I, altitude up to 5000m ) V) V) V/ ES1 )	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires	, IEC61558-1, IEC61010;
	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV	68-1, BS EN/EN61558-1/-2- ZS 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m) I, altitude up to 5000m) I, altitude up to 5000m) V) V/ V/ ES1) Vac O/P-FG: 1.5KVac	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires	, IEC61558-1, IEC61010; ; CCC GB4943.1;
AFETY &	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV I/P-O/P, I/P-FG, O/P-FG: 1001 Parameter	68-1, BS EN/EN61558-1/-2- ZS 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m) I, altitude up to 5000m) I, altitude up to 5000m) V) V/ ES1) Vac O/P-FG: 1.5KVac M Ohms/500VDC/25°C/70%	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires	, IEC61558-1, IEC61010; ; CCC GB4943.1; Test Level / Note
AFETY &	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IIC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV I/P-O/P, I/P-FG, O/P-FG: 1001 Parameter Conducted	68-1, BS EN/EN61558-1/-2- 2S 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II. altitude up to 2000m) I. altitude up to 5000m) I. altitude up to 5000m) V) V/ ES1) Vac O/P-FG: 1.5KVac M Ohms/500VDC/25°C/70% Standard BS EN/EN55032 (CISPR32	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c ,contact sale for inquires O/P-DC OK: 0.5KVac RH	, IEC61558-1, IEC61010; ; CCC GB4943.1; Test Level / Note
AFETY & MC Note 6)	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE  ISOLATION RESISTANCE	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV I/P-O/P, I/P-FG, O/P-FG: 100I Parameter Conducted Radiated	68-1, BS EN/EN61558-1/-2- 2S 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II. altitude up to 2000m) I. altitude up to 5000m) I. altitude up to 5000m) V) V/ ES1) Vac O/P-FG: 1.5KVac M Ohms/500VDC/25°C/70% Standard BS EN/EN55032 (CISPR32	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires	, IEC61558-1, IEC61010; ; CCC GB4943.1; Test Level / Note
MC	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV I/P-O/P: 4KVac I/P-FG: 2KV I/P-O/P, I/P-FG, O/P-FG: 100I Parameter Conducted Radiated Harmonic Current	68-1, BS EN/EN61558-1/-2- 2S 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II. altitude up to 2000m) I. altitude up to 5000m) I. altitude up to 5000m) V) V/ ES1) Vac O/P-FG: 1.5KVac M Ohms/500VDC/25°C/70% Standard BS EN/EN55032 (CISPR32	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires O/P-DC OK: 0.5KVac RH	, IEC61558-1, IEC61010; ; CCC GB4943.1; Test Level / Note
MC	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE  ISOLATION RESISTANCE	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV I/P-O/P, I/P-FG, O/P-FG: 100I Parameter Conducted Radiated	68-1, BS EN/EN61558-1/-2- 2S 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II. altitude up to 2000m) I., altitude up to 5000m) I., altitude up to 5000m) V/ V/ ES1) Vac O/P-FG: 1.5KVac M Ohms/500VDC/25°C/70% Standard BS EN/EN55032 (CISPR32	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires O/P-DC OK: 0.5KVac RH	, IEC61558-1, IEC61010; ; CCC GB4943.1; Test Level / Note Class B Class B
MC	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE  ISOLATION RESISTANCE	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV I/P-O/P: 4KVac I/P-FG: 2KV I/P-O/P, I/P-FG, O/P-FG: 100I Parameter Conducted Radiated Harmonic Current	68-1, BS EN/EN61558-1/-2- ZS 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m) I, altitude up to 5000m) I, altitude up to 5000m) V/) V/ ES1) Vac O/P-FG: 1.5KVac M Ohms/500VDC/25 °C/70% Standard BS EN/EN55032 (CISPR32 BS EN/EN55032 (CISPR32 BS EN/EN61000-3-2 BS EN/EN61000-3-2	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c ,contact sale for inquires O/P-DC OK: 0.5KVac RH  ) / BS EN/EN61204-3 / CNS15936 ) / BS EN/EN61204-3 / CNS15936	, IEC61558-1, IEC61010; ; CCC GB4943.1; Test Level / Note Class B Class B
MC	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE  ISOLATION RESISTANCE	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/N; EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 61558-2-16 (SEL') IEC/EN/UL 61010-2-201 (SEL') IEC/EN/UL 61010-2-201 (SEL') IEC/EN 62368-1 (SEL') I/P-O/P: 4KVac I/P-FG: 2K' I/P-O/P, I/P-FG, O/P-FG: 1001 Parameter Conducted Radiated Harmonic Current Voltage Flicker	68-1, BS EN/EN61558-1/-2- ZS 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m) I, altitude up to 5000m) I, altitude up to 5000m) V/) V/ ES1) Vac O/P-FG: 1.5KVac M Ohms/500VDC/25 °C/70% Standard BS EN/EN55032 (CISPR32 BS EN/EN55032 (CISPR32 BS EN/EN61000-3-2 BS EN/EN61000-3-2	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c ,contact sale for inquires O/P-DC OK: 0.5KVac RH  ) / BS EN/EN61204-3 / CNS15936 ) / BS EN/EN61204-3 / CNS15936	, IEC61558-1, IEC61010; ; CCC GB4943.1; Test Level / Note Class B Class B
MC	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE  ISOLATION RESISTANCE	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/N; EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 61558-2-16 (SEL) IEC/EN/UL 61010-2-201 (SEL) IEC/EN 62368-1 (SEL) I/P-O/P; 4KVac I/P-FG; 2K' I/P-O/P, I/P-FG, O/P-FG: 1001 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/EN6	68-1, BS EN/EN61558-1/-2- ZS 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m) I, altitude up to 5000m) I, altitude up to 5000m) V/ // ES1) Vac O/P-FG: 1.5KVac M Ohms/500VDC/25 °C / 70% Standard BS EN/EN55032 (CISPR32 BS EN/EN55032 (CISPR32 BS EN/EN61000-3-2 BS EN/EN61000-3-2	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires O/P-DC OK: 0.5KVac RH  ) / BS EN/EN61204-3 / CNS15936 ) / BS EN/EN61204-3 / CNS15936	Test Level / Note Class B Class B Class A
MC	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE ISOLATION RESISTANCE  EMC EMISSION	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV I/P-O/P; 4KVac I/P-FG: 100I Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/EN6	68-1, BS EN/EN61558-1/-2- 2S 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m) I, altitude up to 5000m) I, altitude up to 5000m) V/ V/ ES1) Vac O/P-FG: 1.5KVac M Ohms/500VDC/25°C/70% Standard BS EN/EN55032 (CISPR32 BS EN/EN55032 (CISPR32 BS EN/EN61000-3-2 BS EN/EN61000-3-2 1204-3, BS EN/EN61000-6-2 Standard	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires  O/P-DC OK: 0.5KVac  RH  ) / BS EN/EN61204-3 / CNS15936  ) / BS EN/EN61204-3 / CNS15936  (BS EN/EN50082-2)  Test Level / Note	Test Level / Note Class B Class A
MC	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE  ISOLATION RESISTANCE	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV I/P-O/P, I/P-FG, O/P-FG: 100I Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN6 Parameter ESD	68-1, BS EN/EN61558-1/-2- 2S 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m) I, altitude up to 5000m) I, altitude up to 5000m) V/ V/ V/ V/ Standard BS EN/EN55032 (CISPR32 BS EN/EN61000-3-2 BS EN/EN61000-3-2 1204-3, BS EN/EN61000-6-2 Standard BS EN/EN61000-4-2	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires  O/P-DC OK: 0.5KVac  RH  ) / BS EN/EN61204-3 / CNS15936  ) / BS EN/EN61204-3 / CNS15936  (BS EN/EN50082-2)  Test Level / Note  Level 3, 8KV air; Level 3, 4KV c	Test Level / Note Class B Class A
MC	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE ISOLATION RESISTANCE  EMC EMISSION	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 61010-2-201 (SELV IEC/EN/UL 6368-1 (SELV I/P-O/P: 4KVac I/P-FG: 2KV I/P-O/P, I/P-FG, O/P-FG: 100I Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN6 Parameter ESD Radiated	68-1, BS EN/EN61558-1/-2- 2S 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II. altitude up to 2000m) II. altitude up to 5000m) IV. y IV. EST.) Vac. O/P-FG: 1.5KVac M Ohms/500VDC/25°C/70% Standard BS EN/EN55032 (CISPR32 BS EN/EN55032 (CISPR32 BS EN/EN61000-3-2 BS EN/EN61000-3-2 IZ04-3, BS EN/EN61000-6-2 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires  O/P-DC OK: 0.5KVac  RH  ) / BS EN/EN61204-3 / CNS15936  (BS EN/EN61204-3 / CNS15936  (BS EN/EN50082-2)  Test Level / Note  Level 3, 8KV air ; Level 3, 4KV c  Level 3, 10V/m ; criteria A  Level 2, 2KV ; criteria A	Test Level / Note Class B Class B Class A
МС	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE ISOLATION RESISTANCE  EMC EMISSION	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELVIII IEC/EN/UL 61010-2-201 (SELVIII IEC/EN 62368-1 (SELVIII I/P-O/P: 4KVac I/P-FG: 2KVII/P-O/P, I/P-FG, O/P-FG: 1001 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN6 Parameter ESD Radiated EFT / Burst	68-1, BS EN/EN61558-1/-2-2S 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m ) I, altitude up to 5000m ) I, altitude up to 5000m ) I, altitude up to 5000m ) V) V/ ES1 ) Vac O/P-FG: 1.5KVac M Ohms/500VDC/25°C/70% Standard BS EN/EN55032 (CISPR32 BS EN/EN55032 (CISPR32 BS EN/EN61000-3-2 1204-3, BS EN/EN61000-6-2 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires  O/P-DC OK: 0.5KVac  RH  ) / BS EN/EN61204-3 / CNS15936  (BS EN/EN61204-3 / CNS15936  (BS EN/EN50082-2)  Test Level / Note  Level 3, 8KV air ; Level 3, 4KV c  Level 3, 10V/m ; criteria A  Level 2, 2KV ; criteria A	Test Level / Note Class B Class B Class A
МС	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE ISOLATION RESISTANCE  EMC EMISSION	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELVIII IEC/EN 62368-1 (SELVIII I/P-O/P: 4KVac I/P-FG: 2KVII/P-O/P, I/P-FG, O/P-FG: 1001 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN6 Parameter ESD Radiated EFT / Burst Surge	68-1, BS EN/EN61558-1/-2-2S 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m ) I, altitude up to 5000m ) I, altitude up to 5000m ) I, altitude up to 5000m ) V) // // SS	(BS EN/EN61010; CB IEC62368-152 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires  O/P-DC OK: 0.5KVac  RH  ) / BS EN/EN61204-3 / CNS15936  (BS EN/EN61204-3 / CNS15936  (BS EN/EN50082-2)  Test Level / Note  Level 3, 8KV air; Level 3, 4KV c  Level 3, 10V/m; criteria A  Level 4, 2KV/Line-Line; Level 4	Test Level / Note Class B Class B Class A
МС	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE ISOLATION RESISTANCE  EMC EMISSION	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/N; EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELV) IEC/EN 62368-1 (SELV) I/P-O/P: 4KVac I/P-FG: 2KV I/P-O/P, I/P-FG, O/P-FG: 1001 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/EN6 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	68-1, BS EN/EN61558-1/-2-2S 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m ) I, altitude up to 5000m ) I, altitude up to 5000m ) I, altitude up to 5000m ) V/ ) // ES1 ) Vac O/P-FG: 1.5KVac M Ohms/500VDC/25 °C / 70% Standard BS EN/EN55032 (CISPR32 BS EN/EN55032 (CISPR32 BS EN/EN61000-3-2 BS EN/EN61000-3-2 I204-3, BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	16, BS EN/EN61010; CB IEC62368-1 52 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires  O/P-DC OK: 0.5KVac RH  ) / BS EN/EN61204-3 / CNS15936  (BS EN/EN50082-2)  Test Level / Note  Level 3, 8KV air; Level 3, 4KV c  Level 3, 10V/m; criteria A  Level 2, 2KV; criteria A  Level 4, 3KV/Line-Line; Level 4  Level 3, 10V; criteria A	, IEC61558-1, IEC61010; ; CCC GB4943.1;  Test Level / Note Class B Class B Class A contact; criteria A
MC lote 6)	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE ISOLATION RESISTANCE  EMC EMISSION	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/N; EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 62368-1 (OVC II IEC/EN/UL 61010-2-201 (SELV) IEC/EN 62368-1 (SELV) I/P-O/P: 4KVac I/P-FG: 2KV I/P-O/P, I/P-FG, O/P-FG: 1001 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/EN6 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	68-1, BS EN/EN61558-1/-2-2S 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m ) I, altitude up to 5000m ) I, altitude up to 5000m ) I, altitude up to 5000m ) V/ ) // ES1 ) Vac O/P-FG: 1.5KVac M Ohms/500VDC/25 °C / 70% Standard BS EN/EN55032 (CISPR32 BS EN/EN55032 (CISPR32 BS EN/EN61000-3-2 BS EN/EN61000-3-2 I204-3, BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	I6, BS EN/EN61010; CB IEC62368-152 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires  O/P-DC OK: 0.5KVac RH  ) / BS EN/EN61204-3 / CNS15936  (BS EN/EN61204-3 / CNS15936  (BS EN/EN50082-2)  Test Level / Note  Level 3, 8KV air; Level 3, 4KV c  Level 3, 10V/m; criteria A  Level 4, 2KV/Line-Line; Level 4  Level 4, 30A/m; criteria A	, IEC61558-1, IEC61010; ; CCC GB4943.1;  Test Level / Note Class B Class B Class A contact; criteria A
MC	SAFETY STANDARDS  OVER VOLTAGE CATEGORY Note.4  SAFETY EXTRA-LOW VOLTAGE(SELV)  WITHSTAND VOLTAGE  ISOLATION RESISTANCE  EMC EMISSION  MTBF	UL61010; TUV BS EN/EN623 RCM AS/NZS 62368-1, AS/NZ EAC TPTC004 approved; KC IEC/EN 61558-1/-2-16 (OVC II IEC/EN/UL 61010 (OVC II IEC/EN 62368-1 (OVC II IEC/EN 61558-2-16 (SEL') IEC/EN/UL 61010-2-201 (SEL') IEC/EN/UL 61010-2-201 (SEL') IEC/EN/UL 61010-2-201 (SEL') I/P-O/P: 4KVac I/P-FG: 2K' I/P-O/P, I/P-FG, O/P-FG: 1001 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035 , BS EN/EN6 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field 1723.2K hrs min. Telcordia	68-1, BS EN/EN61558-1/-2-2S 61558-1/-2-16; BIS IS132 KC62368-1 certified, no stock II, altitude up to 2000m ) I, altitude up to 5000m ) I, altitude up to 5000m ) I, altitude up to 5000m ) V/ ) V/ ES1 ) Vac O/P-FG: 1.5KVac M Ohms/500VDC/25 °C / 70% Standard BS EN/EN55032 (CISPR32 BS EN/EN55032 (CISPR32 BS EN/EN61000-3-2 BS EN/EN61000-3-2 BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 a SR-332 (Bellcore) ;	I6, BS EN/EN61010; CB IEC62368-152 (Part 1):2010; BSMI CNS15598-1; c, contact sale for inquires  O/P-DC OK: 0.5KVac RH  ) / BS EN/EN61204-3 / CNS15936  (BS EN/EN61204-3 / CNS15936  (BS EN/EN50082-2)  Test Level / Note  Level 3, 8KV air; Level 3, 4KV c  Level 3, 10V/m; criteria A  Level 4, 2KV/Line-Line; Level 4  Level 4, 30A/m; criteria A	, IEC61558-1, IEC61010; ; CCC GB4943.1;  Test Level / Note Class B Class B Class A

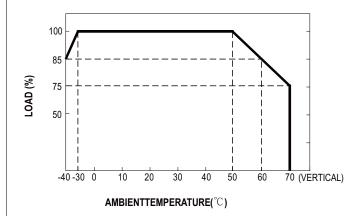
PFC fosc: 65KHz



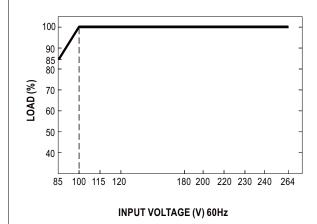
# ■ Block Diagram



#### ■ Derating Curve



#### ■ Static Characteristics



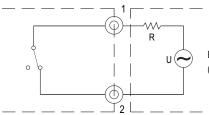


# 240W AC/DC Economical Ultra Slim Industrial DIN Rail Power XDR-240E series

#### **■** Function Manual

#### 1.DC OK Relay Contact

Contact Close	PSU turns ON/DC OK.
Contact Open	PSU turns OFF/DC Fail.
Contact Ratings (max.)	30Vdc/1A, 30Vac/0.5A resistive load.



External voltage source (U) and resistor (R) (The max. Sink is 30Vdc/1A,30Vac/0.5A)

Internal circuit of DC\_OK, via relay contact

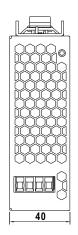






#### ■ Mechanical Specification

(Unit:mm, Tolerance ±1mm)



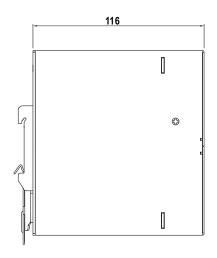
Case No.302

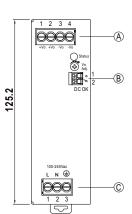
#### (A): Terminal Pin No. Assignment

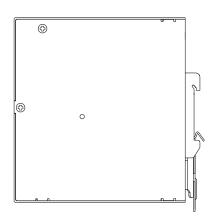
Pin No.	Assignment
1,2	DC Output +Vo
3,4	DC Output -Vo

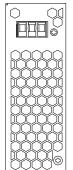
B: Control Pin No.Assignment

Pin No.	Assignment
1,2	DC OK Relay Contact









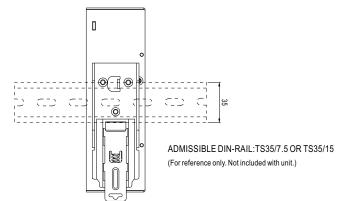
#### ©: Terminal Pin No.Assignment

Pin No.	Assignment
1	AC/L or DC Input +Vin
2	AC/N or DC Input -Vin
3	FG ⊜

#### ■ Recommend Wiring

	AC Input T.B	DC Output T.B	Signal connector
Solid Wire	6mm² max.	6mm² max.	1.5mm² max.
A.W.G	20~10 AWG	20~10 AWG	24~16 AWG
Screw Terminal Torque	9 Lb-In	9 Lb-In	1

#### ■ Installation Instruction



This series fits DIN rail TS35/7.5 or TS35/15. For installation details, please refer to the Instruction manual.

#### ■ Installation Manual

Please refer to: http://www.meanwell.com/manual.html













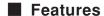










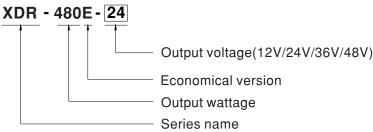


- · 85~264Vac input with PFC
- Global certificates in multi-fields (ITE 62368-1, Industrial 61558-1/-2-16, 61010)
- · 48mm slim width
- High efficiency up to 96% and no load power dissipation<1.2W</li>
- · Built-in constant current limiting circuit
- · Current sharing up to 1920W (3+1) for parallel use
- · Protections: Short circuit / Overload / Over voltage / Over temperature
- · Fanless design, cooling by free air convection
- · Over voltage category III (OVC III)
- -40~+70°C wide range operation temperature (>+50°C derating)
- Operating altitude up to 5000 meters
- · Built-in DC OK relay contact
- · Can be installed on DIN rail TS-35/7.5 or 15
- · 3 years warranty

## Description

The XDR-480E series is a 480W AC/DC economical ultra slim industrial DIN rail power. Key features of this series include a narrow 48mm casing, optimizing system installation space, and an ultra-wide input range of 85~264Vac suitable for global use. It boasts a maximum efficiency of 96% and a low standby power consumption <1.2W for energy savings and carbon reduction. It has built-in constant current, fanless design, a wide operating temperature range of -40 to +70°C (up to +50°C at full load); OVCIII compliance; parallel function capability up to 1920W; built-in DC OK signal. With comprehensive protection functions, complete safety certifications, and a 3-years warranty, the XDR-480E series is a compact, high-performance, and highly reliable DIN rail power supply.

# Model Encoding













### Applications

- Industrial control system
- Semiconductor fabrication equipment
- Factory automation
- Electro-mechanical apparatus
- · Battery charger

#### GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx



# 480W AC/DC Economical Ultra Slim Industrial DIN Rail Power

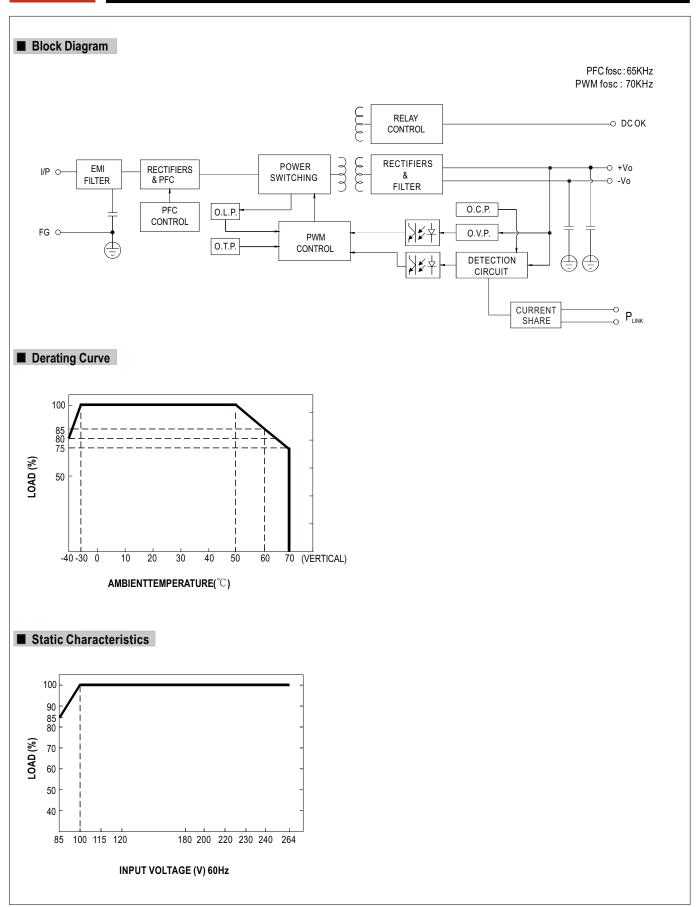
**XDR-480E** 

series

#### **SPECIFICATION**

MODEL	ON	XDR-480E-12	XDR-480E-24	XDR-480E-36	XDR-480E-48		
MODEL	DC VOLTAGE	12V	24V	36V	48V		
	RATED CURRENT	30A	20A	13.3A	10A		
	CURRENT RANGE	0 ~ 30A	0 ~ 20A	0 ~ 13.3A	0 ~ 10A		
	RATED POWER	360W	480W	478.8W	480W		
	RIPPLE & NOISE (max.) Note.2	100mVp-p	120mVp-p	150mVp-p	150mVp-p		
OUTPUT	VOLTAGE ADJ. RANGE	12 ~ 15V	24 ~ 29V	36 ~ 42V	48 ~ 55V		
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%		
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%		
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%		
	SETUP, RISE TIME	1500ms, 150ms/230Vac 3000ms, 150ms/115Vac at full load					
	HOLD UP TIME (Typ.)	15ms/230Vac 15ms/115Vac at f	<u>,                                      </u>				
	AC VOLTAGE RANGE	85 ~ 264Vac	iuii louu				
	DC VOLTAGE RANGE	120 ~ 370Vdc					
				4 000 04451/- 0 0001/-			
	NO LOAD POWER CONSUMPTION (Typ.)			1.2W @115Vac & 230Vac			
	FREQUENCY RANGE	47 ~ 63Hz					
INPUT	POWDR FACTOR (Typ.)	PF>0.95/230Vac PF>0.98/115Vac	at full load				
	EFFICIENCY (Typ.)	94%	95.5%	95.5%	96%		
	AC CURRENT (Typ.)	6A/115Vac 3A/230Vac					
	INRUSH CURRENT (Typ.)		30A/230Vac				
	LEAKAGE CURRENT	<1mA/240Vac	5074200740				
	LLANAGE CONNENT						
	OVERLOAD	105~130% rated output power	<0.00/	ften ferrit een ditien ie nemerred			
	OVEREDAD		ge <30%, recovers automatically at		cally after fault condition is removed		
DOTECTION		Max. 18V	Max. 35V	Max. 50V	Max. 63V		
PROTECTION	OVER VOLTAGE		ecovers automatically after fault con		Wax. 00 v		
			•				
	OVER TEMPERATURE	Protection type : Shut down o/p vo	oltage,recovers automatically after t	temperature goes down			
FUNCTION	PARALLEL (Droop Mode)	Up to 1920W Max (3+1) units;Plea	se refer to Function Manual for more	details			
UNCTION	DC OK RELAY CONTACT	Relay Contact Ratings (max.):30V	dc/1A, 30Vac/0.5A resistive load				
	WORKING TEMP.	-40 ~ +70°C (Refer to "Derating C	Curve")				
	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
FNVIDONMENT		-40 ~ +85°C, 10 ~ 95% RH non-co	andoncina .				
ENVIKONMENT	STORAGE TEMP., HUMIDITY	·	Didensing				
	TEMP. COEFFICIENT	±0.03% /°C (0 ~ 50°C)	// I 00 I I I V V 7		• •		
	VIBRATION			s; Mounting: Compliance to IEC60068- BS EN/EN61010; CB IEC62368-1			
	SAFETY STANDARDS			Part 1):2010; BSMI CNS15598-1;			
			C62368-1 certified, no stock .co		000 004040.1,		
		IEC/EN 61558-1/-2-16 (OVC III	I, altitude up to 2000m)				
	OVER VOLTAGE CATEGORY Note.4	IEC/EN/UL 61010 (OVC II	(, altitude up to 5000m)				
		\	I, altitude up to 5000m)				
	SAFETY EXTRA-LOW	IEC/EN 61558-2-16 (SELV					
	VOLTAGE(SELV)	IEC/EN/UL 61010-2-201 (SELV IEC/EN 62368-1 (SELV					
	WITHSTAND VOLTAGE	,	IEC/EN 62368-1				
			-	-DO ON. U.JINVAC			
	ISOLATION RESISTANCE		M Ohms/500VDC/25°C / 70%RH		I =		
		Parameter	Standard		Test Level / Note		
SAFETY &		Conducted	BS EN/EN55032 (CISPR32) / B		Class B		
EMC	EMC EMISSION	Radiated	BS EN/EN55032 (CISPR32) / B	S EN/EN61204-3 / CNS15936	Class B		
(Note 6)		Harmonic Current	BS EN/EN61000-3-2		Class A		
		Voltage Flicker	BS EN/EN61000-3-2				
		BS EN/EN55035 , BS EN/EN61	1204-3, BS EN/EN61000-6-2(BS	EN/EN50082-2)			
		Parameter	Standard	Test Level / Note			
		ESD	BS EN/EN61000-4-2	Level 3, 8KV air; Level 3, 4KV c	ontact: criteria A		
		Radiated	BS EN/EN61000-4-3	Level 3, 10V/m; criteria A			
	EMC IMMUNITY	EFT / Burst	BS EN/EN61000-4-4	Level 2, 2KV ; criteria A			
		Surge	BS EN/EN61000-4-5		, 4KV/Line-Line-Chassis ;criteria		
		-		· · · · · · · · · · · · · · · · · · ·	F, 4KV/LIIIe-LIIIe-Oliassis ,Cillelia		
		Conducted	BS EN/EN61000-4-6	Level 3, 10V; criteria A			
	штог	Magnetic Field BS EN/EN61000-4-8			Level 4, 30A/m; criteria A		
	MAT OF	1482.0K hrs min. Telcordia SR-332 (Bellcore); 258.3K hrs min. MIL-HDBK-217F (25°C)					
	MTBF	48*125.2*125mm (W*H*D)					
OTHERS	DIMENSION	, ,	890g; 12pcs/13Kg/1.16CUFT				
OTHERS		, ,					
OTHERS	DIMENSION PACKING 1. All parameters NOT special	890g; 12pcs/13Kg/1.16CUFT ly mentioned are measured at	230Vac input, rated load and 2	•			
OTHERS	DIMENSION  PACKING  1. All parameters NOT special 2. Ripple & noise are measure	890g; 12pcs/13Kg/1.16CUFT ly mentioned are measured at d at 20MHz of bandwidth by us	230Vac input, rated load and 2 sing a 12" twisted pair-wire tern	$25^{\circ}$ C of ambient temperature. ninated with a 0.1 $\mu$ F & 47 $\mu$ F p	arallel capacitor.		
OTHERS	DIMENSION  PACKING  1. All parameters NOT special 2. Ripple & noise are measure 3. Tolerance : includes set up to	890g; 12pcs/13Kg/1.16CUFT ly mentioned are measured at d at 20MHz of bandwidth by us tolerance, line regulation and I	230Vac input, rated load and 2 sing a 12" twisted pair-wire tern oad regulation.	ninated with a 0.1 $\mu$ F & 47 $\mu$ F p			
OTHERS	DIMENSION  PACKING  1. All parameters NOT special 2. Ripple & noise are measure 3. Tolerance : includes set up 1 4. The ambient temperature de	890g; 12pcs/13Kg/1.16CUFT ly mentioned are measured at d at 20MHz of bandwidth by us tolerance, line regulation and le erating of 3.5°C/1000m with far	230Vac input, rated load and 2 sing a 12" twisted pair-wire tern load regulation. nless models and of 5°C/1000m	ninated with a 0.1 $\mu$ F & 47 $\mu$ F p with fan models for operating a	ultitude higher than 2000m(6500		
	DIMENSION  PACKING  1. All parameters NOT special 2. Ripple & noise are measure 3. Tolerance : includes set up i 4. The ambient temperature de 5. Installation clearances : 40n	890g; 12pcs/13Kg/1.16CUFT ly mentioned are measured at d at 20MHz of bandwidth by us tolerance, line regulation and I erating of 3.5°C/1000m with far nm on top, 20mm on the bottor	230Vac input, rated load and 2 sing a 12" twisted pair-wire tern load regulation. nless models and of 5°C/1000mm, 5mm on the left and right sid	ninated with a 0.1 $\mu$ F & 47 $\mu$ F p with fan models for operating a	arallel capacitor. Iltitude higher than 2000m(6500 ed permanently with full power.		
	DIMENSION  PACKING  1. All parameters NOT special 2. Ripple & noise are measure 3. Tolerance: includes set up of 4. The ambient temperature de 5. Installation clearances: 40n In case the adjacent device	890g; 12pcs/13Kg/1.16CUFT ly mentioned are measured at d at 20MHz of bandwidth by us tolerance, line regulation and I erating of 3.5°C/1000m with far nm on top, 20mm on the bottor is a heat source, 15mm cleara	230Vac input, rated load and 2 sing a 12" twisted pair-wire tern oad regulation. nless models and of 5°C/1000mm, 5mm on the left and right siduce is recommended.	ninated with a 0.1 $\mu$ F & 47 $\mu$ F p with fan models for operating a	ultitude higher than 2000m(6500 ed permanently with full power.		
	DIMENSION  PACKING  1. All parameters NOT special 2. Ripple & noise are measure 3. Tolerance: includes set up 1 4. The ambient temperature de 5. Installation clearances: 40n In case the adjacent device 6. The power supply is consider	890g; 12pcs/13Kg/1.16CUFT ly mentioned are measured at d at 20MHz of bandwidth by us tolerance, line regulation and I erating of 3.5°C/1000m with far nm on top, 20mm on the bottor is a heat source, 15mm cleara ered a component which will be	230Vac input, rated load and 2 sing a 12" twisted pair-wire tern oad regulation. nless models and of 5°C/1000mm, 5mm on the left and right siduce is recommended.	ninated with a 0.1 $\mu$ F & 47 $\mu$ F p with fan models for operating a le are recommended when load at. The final equipment must be	ultitude higher than 2000m(6500 ed permanently with full power.		

# 480W AC/DC Economical Ultra Slim Industrial DIN Rail Power XDR-480E series



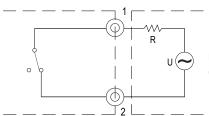


#### **■** Function Manual

Pin No.	Function	Description
1,2	DC OK Relay Contact	Contact Close: PSU turns ON/DC_OK Contact Open: PSU turns OFF/DC_fail
3,4	Paraller Use Link(P <sub>LINK</sub> )	P <sub>LINK</sub> should be short to enable droop parallel use.(Default disable)

#### 1.DC OK Relay Contact

Contact Close	PSU turns ON/DC OK.
Contact Open	PSU turns OFF/DC Fail.
Contact Ratings (max.)	30Vdc/1A, 30Vac/0.5A resistive load.



External voltage source (U) and resistor (R) (The max. Sink is 30Vdc/1A,30Vac/0.5A)

Internal circuit of DC\_OK, via relay contact

#### 2.Parallel Use

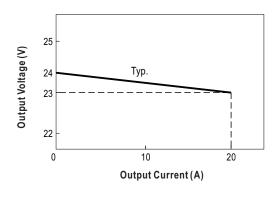
XDR-480E has the built-in droop mode current sharing function and can be connected in parallel, up to 4 units, to provide higher output power as exhibited below:

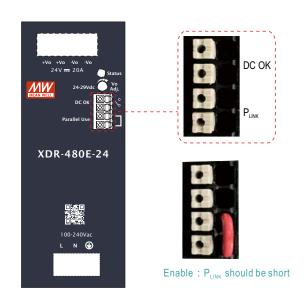
- (1) Difference of output voltages among parallel units should be less than 0.1V.
- (2) The total output current must not exceed the value determined by the following equation (Output current at parallel operation)=(The rated current per unit) x (Number of unit) x 0.9.
- (3) In parallel operation 4 units is the maximum, please consult the manufacture for other applications.
- (4) The power supplies should be paralleled using short and large diameter wiring and then connected to the load.
- (5) When in parallel operation, the minimum output load should be greater than 7% of total output load. (Min. load >7% rated current per unit x number of unit)
- (6) In parallel connection, maybe only one unit (master) operate if the total output load is less than 7% of rated load condition.

The other PSUs (slaves) may go into standby mode and their output LEDs & relays will not turn on.

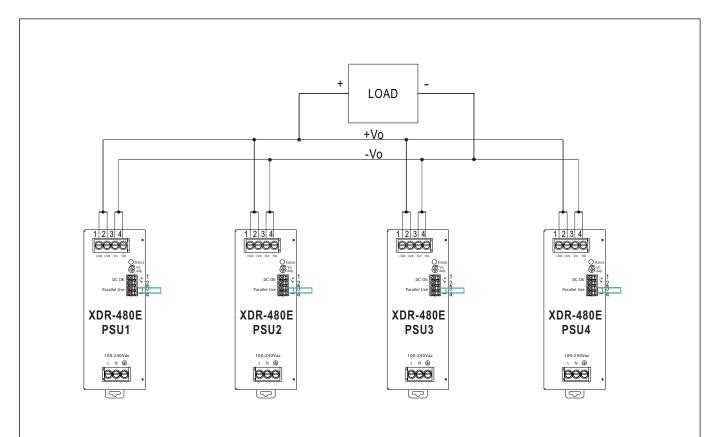
- (7) P<sub>LINK</sub> lines should be shorted locally.
- (8) The "Parallel Use" mode regulates the output voltage in such a manner that the voltage at no load is approx. 4% higher than at normal load(12V:approx.7%).

For example XDR-480E-24: No load output voltage=24V Normal load output current=20A 0~100% load output voltage=24V~23V





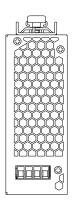




※ Please contact MEAN WELL for more details.

■ Mechanical Specification (Unit:mm, Tolerance ±1mm)

Case No.303

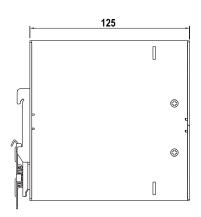


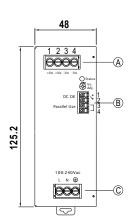
#### (A): Terminal Pin No. Assignment

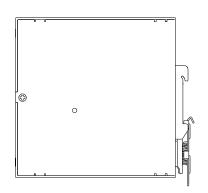
Pin No. Assignment	
1,2	DC Output +Vo
3,4	DC Output -Vo

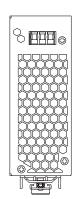
#### B: Control Pin No.Assignment

	Pin No.	Assignment
1,2 DC OK Relay Contact		DC OK Relay Contact
	3,4	Parallel Use Link(Current Sharing)









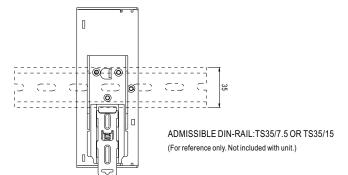
#### ©: Terminal Pin No.Assignment

Pin No.	Assignment	
1	FG ⊕	
2	AC/L or DC Input +Vin	
3	AC/N or DC Input -Vin	

#### ■ Recommend Wiring

	AC Input T.B	DC Output T.B	Signal connector
Solid Wire	6mm² max.	6mm² max.	1.5mm² max.
A.W.G	18~10 AWG	18~8 AWG	24~16 AWG
Screw Terminal Torque	9 Lb-In	9 Lb-In	1

#### ■ Installation Instruction



This series fits DIN rail TS35/7.5 or TS35/15. For installation details, please refer to the Instruction manual.

#### ■ Installation Manual

Please refer to: http://www.meanwell.com/manual.html





























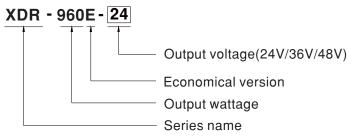
#### Features

- · 180~264Vac input with PFC
- · Global certificates in multi-fields (ITE 62368-1,Industrial 61558-1/-2-16,61010)
- · 96mm slim width
- · High efficiency up to 95.5% and no load power dissipation<3.6W
- · Built-in constant current limiting circuit
- · Current sharing up to 3840W (3+1) for parallel use
- · Protections: Short circuit / Overload / Over voltage / Over temperature
- · Fanless design, cooling by free air convection
- · Over voltage category III (OVC III)
- -40~+70°C wide range operation temperature (>+50°C derating)
- · Operating altitude up to 5000 meters
- · Built-in DC OK relay contact
- · Can be installed on DIN rail TS-35/7.5 or 15
- · 3 years warranty

## Description

The XDR-960E series is a 960W AC/DC economical ultra slim industrial DIN rail power. Key features of this series include a narrow 96mm casing, optimizing system installation space. It boasts a maximum efficiency of 95.5% and a low standby power consumption <3.6W for energy savings and carbon reduction. It has built-in constant current, fanless design, a wide operating temperature range of -40 to +70°C (up to +50°C at full load); OVCIII compliance; parallel function capability up to 3840W; built-in DC OK signal. With comprehensive protection functions, complete safety certifications, and a 3-years warranty, the XDR-960E series is a compact, high-performance, and highly reliable DIN rail power supply.

## Model Encoding





- · Industrial control system
- Semiconductor fabrication equipment
- Factory automation

Applications

- Electro-mechanical apparatus
- Battery charger

### GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

960W AC/DC Economical Ultra Slim Industrial DIN Rail Power XDR-960E series

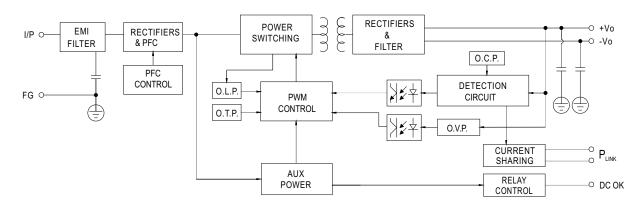
#### **SPECIFICATION**

MODEL		XDR-960E-24	XDR-960E-36	S XI	DR-960E-48	
	DC VOLTAGE	24V	36V	48	V	
	RATED CURRENT	40A	26.6A	20	A	
	CURRENT RANGE	0~40A	0 ~ 26.6A	0 -	~ 20A	
	RATED POWER	960W	957.6W	96	0W	
	RIPPLE & NOISE (max.) Note.2	120mVp-p	150mVp-p	150	DmVp-p	
	VOLTAGE ADJ. RANGE	24 ~ 29V	36 ~ 42V		5~ 55V	
DUTPUT	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%		1.0%	
	LINE REGULATION	±0.5%	±0.5%		0.5%	
			±1.0%		1.0%	
	LOAD REGULATION	±1.0%	1.0%	Δ.	1.0%	
	SETUP, RISE TIME	500ms, 50ms/230Vac at full load				
	HOLD UP TIME (Typ.)	15ms/230Vac at full load				
	AC VOLTAGE RANGE	180 ~ 264Vac				
	DC VOLTAGE RANGE	254.5 ~ 370Vdc				
	NO LOAD POWER CONSUMPTION (Typ.)	2.7W @ 230Vac	3.6W @ 230Vac			
	FREQUENCY RANGE	47 ~ 63Hz				
INPUT	POWDR FACTOR (Typ.)	PF>0.95/230Vac at full load				
	EFFICIENCY (Typ.)	94.5%	95%	95	.5%	
	AC CURRENT (Typ.)	4.5A/230Vac				
	INRUSH CURRENT (Typ.)	COLD START 30A/230Vac				
	LEAKAGE CURRENT	<3.5mA / 240Vac				
	LEARAGE CORRENT	105~130% rated output power				
	OVERLOAD	Hiccup mode when output voltage	ge <30%, recovers automatically af		natically after fault condition is removed	
PROTECTION		30 ~ 34V	43 ~ 50V	1 0,	~ 65V	
	OVER VOLTAGE		<u> </u>	30	~ 65 V	
		Protection type : Shut down o/p v				
	OVER TEMPERATURE		oltage, recovers automatically after	. 0		
UNCTION	PARALLEL(Droop Mode)	Up to 3840W or (3+1) units;Please	refer to Function Manual for more de	etails		
OHOTION	DC OK RELAY CONTACT	Relay Contact Ratings (max.):30V	dc/1A, 30Vac/0.5A resistive load			
	WORKING TEMP.	-40 ~ +70°C (Refer to "Derating C	Curve")			
	WORKING HUMIDITY	20 ~ 95% RH non-condensing				
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-co	ondensina			
LITTINONIILITI	TEMP. COEFFICIENT	±0.03% /°C (0~50°C)				
	VIBRATION	,	/1cvcle_60min_each_along X_Y_7 ave	s: Mounting: Compliance to IEC600	068-2-6	
	SAFETY STANDARDS	Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6  UL61010; TUV BS EN/EN62368-1, BS EN/EN61558-1/-2-16, BS EN/EN61010; CB IEC62368-1, IEC61558-1, IEC61010;  RCM AS/NZS 62368-1, AS/NZS 61558-1/-2-16; BIS IS13252 (Part 1):2010; BSMI CNS15598-1; CCC GB4943.1;  EAC TPTC004 approved; KC KC62368-1 certified, no stock ,contact sale for inquires				
	OVER VOLTAGE CATEGORY Note.4	IEC/EN 61558-1/-2-16 (OVC III IEC/EN/UL 61010 (OVC III	I, altitude up to 2000m)	·		
	SAFETY EXTRA-LOW VOLTAGE(SELV)	IEC/EN 61558-2-16 (SELV) IEC/EN/UL 61010-2-201 (SELV) IEC/EN 62368-1 (SELV / ES1 )				
	WITHSTAND VOLTAGE	I/P-O/P: 4KVac I/P-FG: 2KV	/ac O/P-FG: 1.5KVac O/P	-DC OK: 0.5KVac		
	ISOLATION RESISTANCE	I/P-O/P I/P-FG O/P-FG: 100N	M Ohms/500VDC/25 °C / 70%RH			
	TOOL WITCH TESTS IN WITCH	Parameter	Standard		Test Level / Note	
SAFETY &		Conducted	BS EN/EN55032 (CISPR32) / B	S FN/FN61204-3 / CNS15936		
		Radiated	BS EN/EN55032 (CISPR32) / B			
EMC Note 6)	EMC EMISSION	Harmonic Current	BS EN/EN61000-3-2	0 211/2110120107 011010000	Class A	
Note of		Voltage Flicker	BS EN/EN61000-3-2			
				EN/ENE0002 2\		
		·	1204-3, BS EN/EN61000-6-2(BS	,		
		Parameter	Standard	Test Level / Note		
		ESD	BS EN/EN61000-4-2	Level 3, 8KV air ; Level 3, 4k	CV contact; criteria A	
	EMC IMMUNITY	Radiated	BS EN/EN61000-4-3	Level 3, 10V/m; criteria A		
	EMIC IMMUNITT	EFT / Burst	BS EN/EN61000-4-4	Level 2, 2KV ; criteria A		
		Surge	BS EN/EN61000-4-5	Level 4, 2KV/Line-Line ;Lev	rel 4, 4KV/Line-Line-Chassis ;criteria	
		Conducted	BS EN/EN61000-4-6	Level 3, 10V; criteria A		
		Magnetic Field	BS EN/EN61000-4-8	Level 4, 30A/m; criteria A		
	MTBF	K hrs min. Telcordia SR-33	2 (Bellcore); K hrs min.	MIL-HDBK-217F (25°C)		
THERS	DIMENSION	96*125.2*132mm (W*H*D)				
	PACKING	Kg; pcs/Kg/CUFT				
		0.1	230Vac input, rated load and 2	5°C of ambient temperature		
	2. Ripple & noise are measure	d at 20MHz of bandwidth by us	sing a 12" twisted pair-wire tern	•		
NOTE	5. Installation clearances : 40n In case the adjacent device	erating of $3.5^{\circ}$ C/1000m with far nm on top, 20mm on the bottor is a heat source, 15mm cleara	nless models and of $5^{\circ}$ C/1000mm, 5mm on the left and right sidunce is recommended.	e are recommended when lo	ng altitude higher than 2000m(6500 baded permanently with full power. be re-confirmed that it still meets	
	6. The power supply is conside EMC directives. (as available	ered a component which will be e on https://www.meanwell.co		nt_en.pdf)		

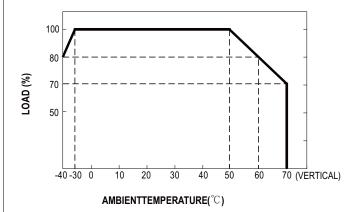


#### ■ Block Diagram

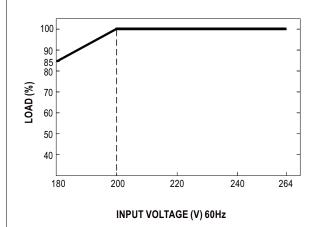
PFC fosc: 65KHz PWM fosc: 60KHz



#### ■ Derating Curve



#### ■ Static Characteristics



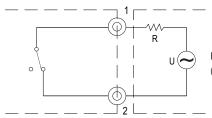


#### **■** Function Manual

Pin No.	Function	Description	
1,2	DC OK Relay Contact	Contact Close: PSU turns ON/DC_OK Contact Open: PSU turns OFF/DC_fail	
3,4	Paraller Use Link(PLINK)	P <sub>LINK</sub> should be short to enable droop parallel use.(Default disable)	

#### 1.DC OK Relay Contact

Contact Close	PSU turns ON/DC OK.
Contact Open	PSU turns OFF/DC Fail.
Contact Ratings (max.)	30Vdc/1A, 30Vac/0.5A resistive load.



External voltage source (U) and resistor (R) (The max. Sink is 30Vdc/1A,30Vac/0.5A)

Internal circuit of DC\_OK, via relay contact

#### 2. Parallel Use

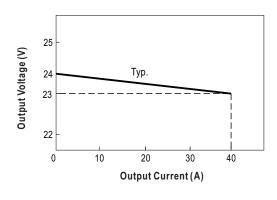
XDR-960E has the built-in droop mode current sharing function and can be connected in parallel, up to 4 units, to provide higher output power as exhibited below:

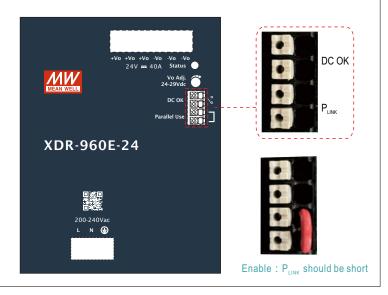
- (1) Difference of output voltages among parallel units should be less than 0.1V.
- (2) The total output current must not exceed the value determined by the following equation (Output current at parallel operation)=(The rated current per unit) x (Number of unit) x 0.9.
- (3) In parallel operation 4 units is the maximum, please consult the manufacture for other applications.
- (4) The power supplies should be paralleled using short and large diameter wiring and then connected to the load.
- (5) When in parallel operation, the minimum output load should be greater than 7% of total output load. (Min. load >7% rated current per unit x number of unit)
- (6) In parallel connection, maybe only one unit (master) operate if the total output load is less than 7% of rated load condition.

The other PSUs (slaves) may go into standby mode and their output LEDs & relays will not turn on.

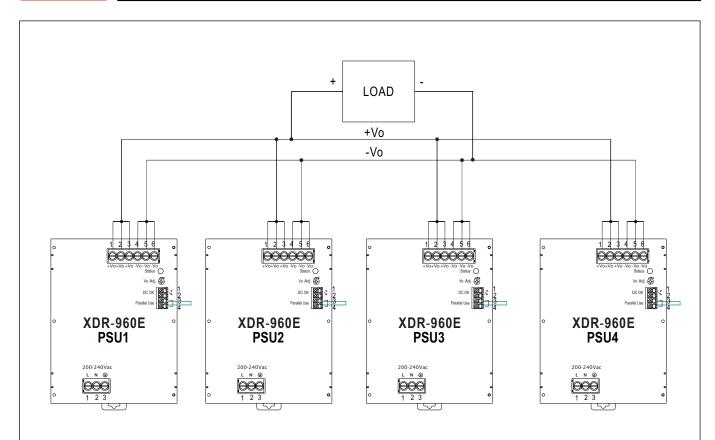
- (7) P<sub>LINK</sub> lines should be shorted locally.
- (8) The "Parallel Use" mode regulates the output voltage in such a manner that the voltage at no load is approx. 4% higher than at normal load.

For example XDR-960E-24: No load output voltage=24V Normal load output current=40A 0~100% load output voltage=24V~23V









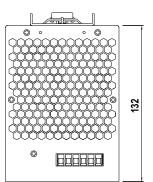
imes Please contact MEAN WELL for more details.



#### ■ Mechanical Specification

(Unit:mm, Tolerance ±1mm)

Case No. 304

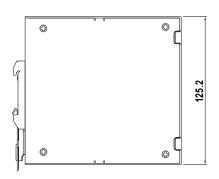


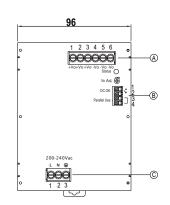
#### (A): Terminal Pin No. Assignment

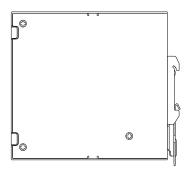
Pin No.	Assignment
1,2,3	DC Output +Vo
4,5,6	DC Output -Vo

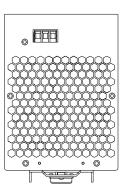
#### B: Control Pin No.Assignment

Pin No.	Assignment
1,2	DC OK Relay Contact
3,4	Parallel Use Link(Current Sharing)









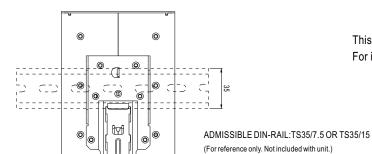
©: Terminal Pin No.Assignment

Pin No.	Assignment			
1	AC/L or DC Input +Vin			
2	AC/N or DC Input -Vin			
3	FG 🖹			

#### ■ Recommend Wiring

			Г
	AC Input T.B	DC Output T.B	Signal connector
Solid Wire	6mm² max.	6mm² max.	1.5mm² max.
A.W.G	18~10 AWG	18~8 AWG	24~16 AWG
Screw Terminal Torque	9 Lb-In	9 Lb-In	1

#### ■ Installation Instruction



This series fits DIN rail TS35/7.5 or TS35/15. For installation details, please refer to the Instruction manual.

#### ■ Installation Manual

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