

Japan METI published the new JIS standard: J62368-1(2023)

Ministry of Economy, Trade and Industry- METI announced the revision of appendix 12 of the Electrical Safety Directive on May 1, 2023 ([Link](#)) :

- The new standard J62368-1(2023), harmonized to IEC 62368-1:2018, was officially released to replace the existing standard J62368-1(2020).
- The existing standard J62368-1(2020) can be applied until April 30, 2026.
- J62368-1(2020) certificates remains valid until expiration.
- At present, most of the PSE certificates held by MW are issued based on J62368-1 (H30), which can still be used until expiration.
- J60950-1(H29) will still be available for apply, and J60950-1(H29) certificates remains valid until expiration, after April 30, 2026, only J60950-1(H29) and J62368-1(2023) will be valid for apply

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- Revision of J62368-1(2023)([Link](#)):

JIS: JIS C 62368-1:2021 + Appendix 1:2022 Major revisions: Based on IEC62368-1:2018

G.7.2↓ Table G.7↔	Cross-sectional area of equipment rated up to and including 3 A shall be 0.75 mm ² .↔	↔	↔
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C 62368-1 : 2021

表 G.7-導体の寸法

機器の定格電流 ^{a)} (次の値以下)	最小導体寸法	
	断面積 mm ²	AWG [断面積 mm ²] ^{b)} (参考値)
A		
3	0.75	20 [0.5]
6	0.75	18 [0.8]
10	1.00 (0.75) ^{c)}	16 [1.3]
16	1.5 (1.0) ^{d)}	14 [2]

IEC 62368-1:2018 © IEC 2018

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Table G.7 – Sizes of conductors

Rated current of the equipment up to and including ^{a)}	Minimum conductor sizes	
	Cross-sectional area mm ²	AWG or kcmil [cross-sectional area in mm ²] ^{b)}
A		
3	0.5 ^{b)}	20 [0.5]
6	0.75	18 [0.8]
10	1.00 (0.75) ^{c)}	16 [1.3]



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Powernex#Japan power cord 3-7A,125VAC, PSE VCTF, 3G, 0.75mm2(Japanese power cord sold separately and shipped separately from the adapter) **This revision has no impact on existing products & marketing**

View	品號	簡稱	建檔日期	品名規格	條碼	系列名	大系列	分類	禁用
View	PFF4YP12_YC12PSE	YP12_YC12PSE	2022/07/06	YP12+YC12;6FT;JAPAN		YP12+YC12PSE	PFF4	Accessory	0

- For existing CB 3ED without national differences of J62368-1(2023):

- TUVRH : two alternative solutions
 - Modified CB : TWD 30K (add national differences)
 - Add national differences when applying for PSE : TWD 20K.

- UL : It doesn't matter for CB without national differences of J62368-1(2023).

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- Conclusions:
 1. **J62368-1:2023 ND** (The TRF has been released on 2023-05-15) must be included in CB IEC 62368-1 **3ED** for new application.
 2. 2ed 62368 CB will not required any more, we should consider **3ed+4ed** dual certificate for new applications.
 3. PSE J62368-1(2023) will be applied for NGE12~100.
 4. The existing PSE certificates for **GST family** will be expired in 2025/Q1, and it is expected to initiate the J62368-1 (2023) update project in **2024/Q4**



J62368-1(2023)

2023-05-15

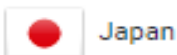
Japan

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Standard

IEC 62368-1:2018

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Japan

J62368-1(2023)

2023-05-22

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PSE – Certificate Classification

Apply for the same PSE certificate in series

- If input is the full range of 100-240Vac, then the Input VA & Vout under 100V/60Hz and 240V/60Hz should be considered;
- For series models are classified within the same range of 1) & 2), they can be included in the same Classification

1) Input VA and

$X \leq 10$	$10 < X \leq 20$	$20 < X \leq 30$	$30 < X \leq 40$
$40 < X \leq 50$	$50 < X \leq 60$	$60 < X \leq 70$	$70 < X \leq 80$
$80 < X \leq 90$	$90 < X \leq 100$	$100 < X \leq 200$	$200 < X \leq 300$
$300 < X \leq 400$			

2) Output Vdc

$V \leq 15$	$15 < V \leq 30$	$30 < V \leq 60$	$60 < V$
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if customer applies for PSE copies of GST60A12 and GST40A12, the BI will be **doubled**, because CL-03 and CL-07 are required accordingly.

For the product:

Type designation:

DC Power Supply Unit

CL-01: GST40A05

CL-07: GST60A09, GST60A12, GST60A15

CL-02: GST60A05

CL-08: GST40A18; CL-09: GST40A24

CL-03: GST40A12

CL-10: GST60A18, GST60A24

CL-04: GST40A15

CL-11: GST40A48

CL-05: GST40A07, GST40A09;

CL-12: GST60A48

CL-06: GST60A07

PSE CoC No.:

JD50460768 CL-01 to CL-12

Factory:

SuZhou MEAN WELL Technology Co., Ltd.