Configurable Power Solution
650/1200W Configurable Modular Power - NMP Series

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System Power New Product Introduction - NMP Series

Key Selling Points of NMP Series

• Modular product design, configurable as per customer requirements

• Plug in NMS-240 DC module cards to configure a multiple channel power supply

• 1U slim mechanical design, fit space constraint instruments or systems.

• Front-end and DC/DC module cards are separately certified by safety standards. Can be sold separately as components or as assembly of a power supply.

• Certified by 60601-1 and 62368-2 dual safety standards, comply with 2x MOPP medical insulation regulation

• PV (Programmable Voltage) & PC (Programmable Current) functions

• Intelligent control functions
Modular Power Supply Design

Fast customization on Power Configurations/ Parameters
Add more D/D modules: multiply output power;
D/D modules in parallel/series operation: multiply output current/voltage;
PV/PC function: adjust voltage/Constant Current Limit

Create a multiple output PSU by just plugging in NMS-240 D/D module cards, maximum 12 channels!
## System Power New Product Introduction - NMP Series

### 1U Slim Mechanical Design

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<th>Concerns</th>
<th>Solutions</th>
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<td>• Limited by old technology on components, modular PSU used to be much bigger in size. If end system has insufficient inner space, modular PSU can’t be applied.</td>
<td>• <strong>Enlarge Power Density</strong> of Front-end and D-D module cards</td>
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<td>• Nowadays, industrial and medical instruments become <strong>compact and lighter</strong>, thus demands for slim solution is increasing.</td>
<td>• <strong>Use coolers with higher airflow</strong> to boost heat dissipation for PSU</td>
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Medical & Industrial Dual Safety

- 62368-1 & 60601-1 Medical & Industrial Dual Safety
  Widest range for product applications

- 2x MOPP Medical Insulation
  (MOPP, Means of Patient Protection)

- Low Touch Current
  <100uA @264Vac

Effectively protect patients from the risk of fatal electric shock!
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Programmable Outputs (PV & PC)

Output Voltage and Output current limit can be adjusted!
Use external DC signal to control output voltage/current limit.
Fully base on user’s need to tune up or down within specification defined.
Intelligent Control

Intelligent and Automatic Monitor/Control
Featured **Remote ON/OFF, DC OK, T-alarm** signal, and programmable output (PV & PC) functions to easier monitor and control PSU.

**Remote ON/OFF Signal**
Turn ON/OFF all DC modules simultaneously or one by one

**T-alarm signal**
Send over-temperature alert thru TTL signal to avoid system crash due to OTP condition.
Applications of NMP Series

Industrial Automation
- 3D Printer
  • Space constraint
  • Drive Motor & Control signals
- Flight Simulator
  • Need Multiple Output channels
  • Drive all Displays, Panels and Control Devices

Medical Equipment
- Medical Instruments
  • Space constraint
  • Need to comply with 60601-1 & 2x MOPP standards
- MRI Scanner
  • Space constraint
  • Drive Motor & Diagnostic Computer
WHY MEAN WELL

Products
More than 10,000 models, continues to introduce 10% new models and EOL 5% every year

Quality
High reliability and quality indicator
Post-sales failure rate decreases by 10% each year

Cost
High cost-performance products, stable material price, complete supply chain integration

Delivery
24-hour delivery for small amount order.
14-day delivery for frequent purchase standard products.

Service
MEAN WELL Group and distributors provide services 24 hours a day, and commit to reply within 24 hours

Reliable Relationship
75% of revenue come from long-term distributors and customers