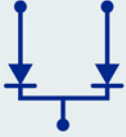


Panel Mount Power Supplies PMR & PMS Series

750 W – 2,500 W Output with
Peak Power and Current Sharing



Active Current
Sharing



Instantaneous
Peak Power



High Power Density
& Compact size



Industrial Power Supplies

Delta Launches High-Power Panel Mount Power Supplies to Optimize Collaborative Robots

Delta has introduced a series of high-power panel mount power supplies, including the existing PMR Series' expanded 1,500W model, and the new PMS Series' 750W, 1,200W, and 2,500W models. They feature optional 24 V / 48 V voltage outputs and supports peak power, ideal for equipment that require extremely high instantaneous power when activating, including collaborative robots (cobots), motor drive and other inductive-load applications. They also have active current sharing to automatically adjust output power for parallel-connected power supplies. This would prevent the overloading issue that results in overheating or operation termination of power supplies, enabling stable operation for high-power automated industrial equipment.

The PMR Series 1,500W model and PMS Series panel mount power supplies have built-in active PFC, which reduces unnecessary power loss and waste heat, lower damage of

harmonic distortion, and ensure a stable power source. They also feature high efficiency, high power density, and compact design to be save more space for control cabinets. Their intelligent fan speed control ensures efficient cooling while maintaining low acoustic noise, suitable for end-user applications such as medical environments and retail sales.

The PMS Series conforms to the PMBus® communication protocol for real-time monitoring and remote control, ensuring instant warning for abnormal operation. Both the PMS and PMR Series are certified to international safety standards such as IEC/ EN/ UL 62368-1 for audio/video, information, and communication technology equipment, ensuring a safe operation for IT equipment. They also comply with SEMI F47, making them suitable for critical factory automation processes and semiconductor equipment.

Product Information

Panel Mount > PMR Series

1,500 W



PMR-24V1K5W1BTB	24 V / 62.5 A https://www.deltapsu.com/en/products/panel-mount-power-supply/PMR-24V1K5W1BTB
PMR-48V1K5W1BTC	48 V / 31.25 A https://www.deltapsu.com/en/products/panel-mount-power-supply/PMR-48V1K5W1BTC

Panel Mount > PMS Series

750 W



PMS-24V750W1BTD	24 V / 31.25 A https://www.deltapsu.com/en/products/panel-mount-power-supply/PMS-24V750W1BTD
PMS-48V750W1BTD	48 V / 15.63 A https://www.deltapsu.com/en/products/panel-mount-power-supply/PMS-48V750W1BTD

1,200 W



PMS-24V1K2W1BTD	24 V / 50.0 A https://www.deltapsu.com/en/products/panel-mount-power-supply/PMS-24V1K2W1BTD
PMS-48V1K2W1BTD	48 V / 25.0 A https://www.deltapsu.com/en/products/panel-mount-power-supply/PMS-48V1K2W1BTD

2,500 W



PMS-24V2K5W1BMD	24 V / 104.2 A https://www.deltapsu.com/en/products/panel-mount-power-supply/PMS-24V2K5W1BMD
PMS-48V2K5W1BMD	48 V / 52.1 A https://www.deltapsu.com/en/products/panel-mount-power-supply/PMS-48V2K5W1BMD

- Please contact your [local sales representative](#) for product availability. Alternatively, you may [leave us a message](#) and our sales representative shall get back to you.

Features

- Up to 94.4% efficiency
- Up to 29.5 W/inch³ power density
- Up to 50°C full-load temperature
- 5 V / 2 A standby output
- Active current sharing
- Conformal coating
- Class B conducted and radiated EMI
- Remote On/Off control
- Intelligent fan speed control
- PMBus® Ver 1.3 supported (only for the PMS Series)
- Optional USB/ RS232/ RS485 adapter for communication (only for the PMS Series)

Applications



Cobot



Machinery



Semiconductor Equipment



Conveyor / Logistic System