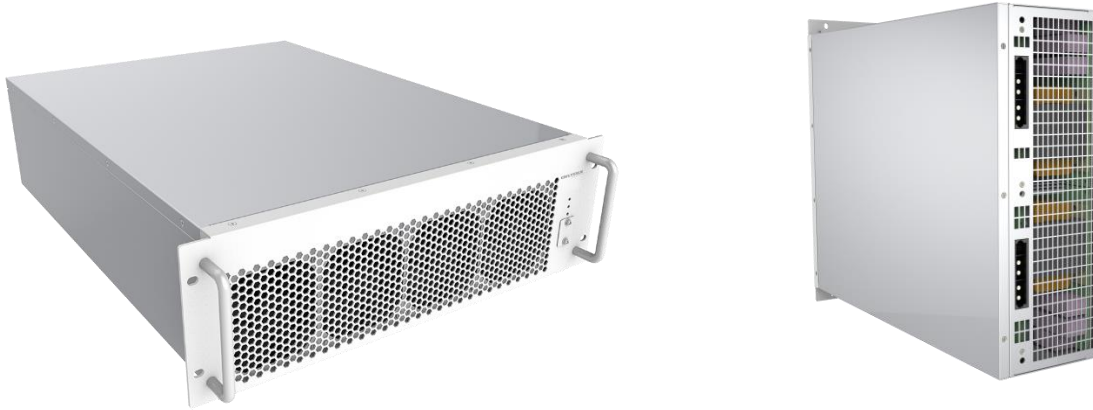


DELTRIX

charging solutions



PM Series DC/DC Converter

The Deltrix PM series of charging modules use a cooling solution with air duct isolation, with high product protection level, strong environmental adaptability, and better reliability. The application of high-efficiency high-power IGBT module design scheme reduces the number of power devices and improves the reliability of the system. The input range of this charging module is 600-850Vdc, the output range is adjustable from 200-750Vdc, and the rated output power is 60KW. It has input over-voltage protection, output over-current protection, output over-voltage protection, output short-circuit protection, over-temperature derating and protection, Alarm function.

Key Features

- High power density saves system space, module output power-60KW.
- Wide range of input voltage, 600-850Vdc (adjustable), input surge protection design.
- Ultra-wide range of output voltage, 200-750Vdc (adjustable).
- Using unique auxiliary power sleep technology, standby power consumption $\leq 5W$.
- The module supports hot-swappable replacement, the replacement time is less than 5 minutes, easy to maintain.
- Modules meet the fast charging needs of various electric vehicles and battery packs.
- Constant power output range: 500Vdc~750Vdc, stable, safe and fast charging.
- The pre-stage can be used with AC/DC modules, or it can be used alone in the charging system.
- The module can be directly applied to the DC bus optical storage and charging system.
- Efficiency up to 97% at nominal output power.
- Input over voltage protection, under voltage alarming, output over current and short circuit protection, Over temperature protection functions.

Application Areas

- EV Charger with Energy storage
- Smart Grid with DC bus and Energy storage
- DC bus-type optical storage and charging system

Technical Specifications

Model	60PM
Input Parameter	
Input Voltage	600-850Vdc
Rated Input Voltage Value	800Vdc
Max Input Current	< 102A
Output Parameter	
Output Voltage Range	200 – 750 Vdc
Constant power output voltage range	500 – 750 Vdc
Max. Output Power	60kW
Max. Output Current	0 – 120A
Voltage Accuracy	≤± 0.5 %
Current Accuracy	± 1%
Efficiency	>97%
Output Protection	Input overvoltage protection, input under voltage protection, output overvoltage protection, output overcurrent and short circuit protection, over temperature protection
Environmental	
Operating Temperature	-30~65°C
Humidity	≤95%
Altitude	<2000m
Noise	≤60 dB
General	
Module Indicator	Green - running, Yellow - warning, Red - fault
Communication	CAN Bus
Dimensions (mm)	490 x 360 x 125 mm (L x W x H)
Weight	≤25kg
Compliance and safety	RoHS: EN 50581
Cooling	Forced Air / Fan cooling
Storage temperature	-40~80°C
Storage Humidity	10-95%
Storage Period	2 years
Part Numbers	60PM0750

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