

DELTRIX

charging solutions



PF Series 120kW DC Charger

The Deltrix PF series of charging modules use high-power IGBT modules, which reduces the number of devices, reduces the number of devices in parallel, and improves the reliability of the charging module. The use of air duct isolation heat dissipation scheme avoids harsh environments such as dust, moisture, and salt mist. Corrosion or insulation damage to the module's internal components and PCB improves the charging module's tolerance to harsh environments. The charging module adopts the fan speed adjustment function, and the fan speed is low at night, in low temperature weather and under low load conditions, which further reduces the noise.

Key Features

- 120KW DC Fast charger supporting GB/T charger cable.
- Reliable, robust, modular hardware.
- Simple, quick and easy installation.
- Supporting RFID card and smart phone charging.
- 7" LCD Touch Panel.
- Supply AC input 380 Vac $\pm 20\%$.
- Ultra-wide range of output voltage, 200-1000Vdc (adjustable).
- Max. 95% power efficiency.
- IP 54 design comply with GB/T 20234.1-2015、 GB/T 18487.1-2015
- Connector - GB/T (CCS1, CCS2, Chademo optional)
- Input over voltage protection , under voltage alarming, output over current and short circuit protection, over temperature protection functions.

Application Areas

- Community parking lot
- Taxi charging station
- Bus company charging station
- Commercial car parks
- Public centralized charging stations
- Motorway service area charging station
- Logistics company charging station

Technical Specifications

Model	120PF
Input Parameter	
Input Voltage	380Vdc ±20%
Frequency	45~65Hz
Power Factor	≥0.99
Output Parameter	
Output Voltage Range	200 – 1000 Vdc
Constant power output voltage range	350 – 1000 Vdc
Max. Output Power	120kW
Max. Output Current	340A
Voltage Accuracy	≤± 1 %
Current Accuracy	≤± 1 %
Efficiency	>95%
Output Protection	Input overvoltage protection, input under voltage protection, output overvoltage protection, output overcurrent and short circuit protection, over temperature protection.
Environmental	
Operating Temperature	-20~65°C
Humidity	≤95%
Altitude	< 2000m
Noise	≤65 dB
General	
Display	7" LCD touch screen
External Communication	Ethernet, 4G
Internal Communication	CAN Bus
Dimensions(mm)	750*600*1700 (W x D x H)
Weight	350kg
Compliance and safety	RoHS: EN 50581
Cooling	Forced air cooling, air duct isolation
IP Level	IP54 design comply with GB/T 20234.1-2015、GB/T 18487.1-2015
Reference Standard	GB/T 20234.1-2015, GB/T 20234.3-2015
BMS communication protocol	GB/T 27930-2015
Part Numbers	120PF1000

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