

DELTRIX

charging solutions



DELTRIX FF Series DC Charger

The Deltrix FF Series DC charger is a configurable-multiple-outlet high-power charger which is suitable for CBD or public areas. The product consists of human-machine interaction part, power module, internal control system, communication module and charging cable assembly. This Charger is great for mounting in your garage, business, racing, or RV park. It is very useful to have as a backup charger for use on the race track, in a tow truck, in an SUV, trailer or anywhere you need power. This affordable 60KW - 180KW DC Charger is perfect to install for charging electric vehicle at maximum speed as well as many EV cars. Take on road trips through rural areas with RV or industrial areas being the main power sources for EV travellers. This unit will greatly speed up you or your customers charging.

Key Features

- Modular design including control system, power source system, distributed power system, power factor system
- Auto sleep mode after fully charged with low standby power consumption at <5W
- Remote firmware upgrade with APP
- Remote power module upgrade
- Remote diagnostic function simplifies data collection and analysis process
- IP54 Waterproof protection
- Cable length 5M (CHAdeMO) , 5M (CCS), 5M(GB/T) Customized acceptable
- Efficiency up to 96% at nominal output power
- Ethernet, Wi-Fi and 4G Module support platform - optional
- Back-office system integration with OCPP 1.6 on demand
- Easy to install and operate (with Lifting Handles)
- Full customization available (colour and logo)

Application Areas

- Public and Private Garages
- Commercial Buildings
- Hotels and Restaurants
- EV Dealerships
- Commercial fleet operators
- EV infrastructure operators and service providers

Technical Specifications

Model	60FF	90FF	120FF	180FF
Input Parameter				
Input Voltage	Option 1 : 380/480Vac 50 / 60 Hz Option 2 : 260-750Vdc for customized			
Input Connection	3P + N + PE			
Input current	110A	170A	220A	320A
Power Factor	>0.99 @nominal voltage (100% load)			
Full Load Efficiency	≥96%			
DC Output				
Output Voltage Range	200~750Vdc			
Max. Output Current	100A	200A	250A	250A
Max. Output Power	60kW	90 kW	120kW	180kW
Power Module	30kW x 2pcs	30kW x 3pcs	30kW x 4pcs	30kW x 6pcs
Connector Single Mode (max.)	60kW	90kW	120kW	180kW
Connector Double Mode (max.)	30kW	60 kW + 30 kW	60kW	90kW
Output Protection	Overcharge Protection, Overheat Protection, Low-voltage Protection, Over Discharger Protection, Lightning Protection, Over-current Protection Short-circuit Protection			
Environmental				
Operating Temperature	-25°C - 50°C			
Humidity	0%-95% RH, non-condense			
Altitude	< 2000m			
Noise Level	< 65dB			
IP Level	IP54			
General				
Display	7" LCD touch-screen - optional			
Emergency Stop Control	Press emergency stop button			
Display Information	Charging process and status, Alarm and warning messages			
External Communication	Ethernet, Wi-Fi & 4G - optional			
Internal Communication	CAN Bus / RS485			
Dimensions	960 x 620 x 1750(D x W x H mm), excluding plug and cable			
Weight	200KG	230KG	310KG	330KG
Charger Cable Length	5M (CHAdeMO) , 5M (CCS), 5M(GB/T) Customized acceptable			
Back Office Integration	OCPP 1.6			
Compliance and safety	RoHS: EN 50581			
Charging Protocol	CHAdeMO 2.0 / DIN 70121/ISD1S118/IEC61851-23,IEC61851-24			
Cooling	Air cooling			
Part Numbers	60FF0750	90FF0750	120FF0750	180FF0750

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