

DELTRIX

charging solutions



DELTRIX VF Series DC Charger

The Deltrix VF 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 40KW and 60KW 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

- Standby power consumption in low, less than 0.1%, reduce the operation cost.
- Wide output voltage range (200-750V), applicable to more models.
- Compatible with DC input, more extensive application scenarios.
- High power density, smaller volume, less floor spare.
- Air duct design to ensure that the temperature difference between the air inlet and the outside is less than 3 °C
- IP54 Waterproof protection for outdoor use.
- Cable length 5M (CHAdeMO) , 5M (CCS), 5M(GB/T) Customized acceptable
- Efficiency up to 93% at nominal output power
- Ethernet, Wi-Fi and 4G Module support platform - optional
- Back-office system integration with OCPP 1.6 on demand
- 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	40VF	60VF
Input Parameter		
Input Voltage	Option 1 : 380/480Vac 50 / 60 Hz Option 2 : 260-750Vdc for customized	
Input Connection	3P + N + PE	
Power Factor	>0.99 @nominal voltage (100% load)	
Full Load Efficiency	≥93%	
DC Output		
Output Voltage Range	200~750Vdc	200~750Vdc
Max. Output Current	120A	200A
Max. Output Power	40kW	60kW
Power Module	20kW x 2pcs	30kW x 2pcs
Connector Single Mode (max.)	40kW	60kW
Connector Double Mode (max.)	20 kW	30kW
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	690 x 250 x 1250(D x W x H mm), excluding plug and cable	
Weight	100KG	
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/IEC618SI-23,IEC618SI-24	
Cooling	Air cooling	
Part Numbers	40VF0750	60VF0750

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