

VF SERIES

40kW/60kW DC CHARGER

DELTRIX

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.



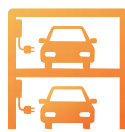
KEY FEATURES

- Standby power consumption in low, less than 0.1%, reduce the operation cost.
- Wide output voltage range (200-1000Vdc), 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 : 400Vac \pm 10% Option 2 : 260-750Vdc for customized | |
|---------------|---|--|

| | | |
|------------------|-------------|--|
| Input Connection | 3P + N + PE | |
|------------------|-------------|--|

| | | |
|--------------|------------------------------------|--|
| Power Factor | >0.99 @nominal voltage (100% load) | |
|--------------|------------------------------------|--|

| | | |
|----------------------|------------|--|
| Full Load Efficiency | \geq 93% | |
|----------------------|------------|--|

DC Output

| | | |
|----------------------|-------------|-------------|
| Output Voltage Range | 200-1000Vdc | 200-1000Vdc |
|----------------------|-------------|-------------|

| | | |
|---------------------|------|------|
| 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 | |
|-------------------|--|--|

TECHNICAL SPECIFICATIONS

Environmental

Operating Temperature -25°C - 50°C

Humidity 0%-95% RH, non-condense

Altitude <2000m

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 (H x W x D) 1389 x 858.1 x 239.65mm, 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 GBT27930 / CHADEMO 2.0 / DIN 70121,OCPP 1.6(JSON), ISO 15118

Cooling Air cooling

Part Numbers

40VF1000

60VF1000



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