

DELTRIX

charging solutions



DELTRIX VV Series DC Charger

The Deltrix VV Series DC charger has supported the DC input, therefore, except traditional charging function, it can also accept DC input sources such as Solar battery, energy storage battery, vehicle battery, can also be used for solar charging station, energy storage charging station, solar-energy storage charging station, can also be used for car-to-car rescue (required car compatible with discharge function).

Key Features

- Connected solar panel, product can be directly used for Vehicles power supply.
- Battery Protection Design.
- Rectifier Inverter Design.
- Charging status monitoring.
- Current Sharing Technology
- CAN Communication
- Movable Type or Wall Mounted Type - optional
- Cable length 3M (CHAdeMO) , 3M (CCS), 3M(GB/T) Customized acceptable
- Efficiency up to 95% at nominal output power
- Ethernet, Wi-Fi and 4G Module support platform - optional
- Easy to install and operate
- Full customization available (colour and logo)

Application Areas

- Solar charging station
- Energy storage charging station
- Solar-energy storage charging station
- Home smart charging
- Road Rescue, Car-to-car rescue
- EV infrastructure operators and service providers

Technical Specifications

Model	VV15	VV20	VV30	VV40
DC Input				
Input Voltage	260-760Vdc			
Input Connection	DC Input supply (DC+ & DC-)			
Input Current	27A	32A	54A	64A
Frequency	50 / 60 Hz			
Power Factor	>0.99 @ Full load			
Full Load Efficiency	≥95%			
Auxiliary Power	12V/24V			
DC Output				
Output Voltage Range	200-750Vdc			
Output Current (DC)	25A	25A	50A	50A
Output Power	15kW	20kW	30kW	40kW
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	5%-90% RH, non-condense			
Altitude	<2000m			
IP Level	IP43			
General				
Display	4.3" 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 (mm)	580*180*355mm	570*250*350mm	650*200*360mm	600*250*350mm
Weight	32kg	36kg	38kg	46kg
Charger Cable Length	3M (CHAdEMO) , 3M (CCS), 3M(GB/T) Customized acceptable			
Compliance and safety	RoHS: EN 50581			
Charging Protocol	CHAdEMO 2.0 / DIN 70121/ISD1S118/IEC618SI-23,IEC618SI-24			
Cooling	Air cooling			
Part Numbers	VV15750	VV20750	VV30750	VV40750

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