

30/40kW Integrated DC Charger



Product Description

CE 40kW integrated DC charger provides a DC quick charging solution for electric vehicles. This product integrates charging module, charging control, charging meter, communication and other functions with the connector CCS2. The product is placed outdoors to provide charging services for electric buses, large electric buses and passenger electric vehicles.

Application Scenario

- Public service charging
- Workplace charging station

Features

High compatibility

- System efficiency is higher than 95%, high power density, saving system operation cost.
- High power factor, low harmonic distortion, no pollution

Secure and safe

- With short circuit, over current, over voltage, over charge, and other protection functions
- DC charger and charging module both certified with CE mark

Weather resistance

- Excellent cold resistance, high temperature resistance, salt spray resistance, moisture resistance and other functions

Intelligent control

- Charging status light indicator function, can monitor the machine running status in real time
- Remote fault diagnosis and remote restart.
- Comply with OCPP 1.6J, intelligent control by platform

Technical Parameters

Type	TEC-DC1.0/30-CNANN	TEC-DC1.0/40-CNANN
Power Supply	3P+N+PE	
Input Voltage	400Vac±15%	
Output Voltage	50Vdc~1000Vdc	
Frequency	45Hz~65Hz	
Rated Power	30kW	40kW
Maximum Current	125A	
Charge Connector	CCS2*1	
Cable Length	5m (including inside part)	
Cable Management	No	
Peak Efficiency	≥95%	
Power Factor	>0.99	
THDi	≤5%	
Display	7” LCD screen	
Emergency Stop	Yes	
Language	English (Other languages need to be customized)	
Communications	Standard: 4G Ethernet	
Platform Protocol	OCPP1.6J	
RCD	Type A	
Electrical Protection	Surge protection, leakage protection, input overload protection, short circuit protection, over temperature protection, ground protection, gun head over temperature protection, insulation detection	
Operating Humidity	5%RH~95%RH	
Operating Altitude	≤2000m	
Operating Temperature	-30°C~50°C	
IP Rating	IP54	
IK Rating	IK10 (Screen IK08)	
Cooling	Air cooling	
Product Dimension	W*D*H: 500mm*230mm*700mm	
Package Dimension	W*D*H: 615mm*390mm*855mm	
Net Weight	65kg (Including module)	
Gross Weight	75kg	
Standards	IEC 61851-1-2017 IEC 61851-23-2014 IEC61851-24-2014 EN61851-1-2019 EN 61851-23-2014 EN 61851-24-2014	
Certification	CE CB RCM	

