

Solatek Fast Charging Station DC

SLTK-DCEV-(GB/T)20

Solatek DC Fast charging station offers Electric Vehicle owners an opportunity to charge their car safely and quickly. A typical electric car with 40kWh battery pack could be charged completely in about 120minutes** (Depending on car's supported charging protocol speed).

Solatek combines industry standardization with advanced charging technology to support next-generation electric vehicles. Its multi-protocol design allows for easy tailoring to support CHAdeMO, CCS1 & CCS2, Tesla, and GB/T for DC fast charging applications. Payment & billing platform solutions enable easy and secure payments via station payment terminals, OCPP and RFID card



High Voltage Charging Module

- Wide input voltage range: 260Vac~475Vac
- Ultra-wide output voltage range: 200VDC~750VDC
- Constant output power: 20kW
- Fan intelligent speed regulation; fan failure detection alarm

Main Features

- Built-in safety measures
- Galvanized cabinet
- User friendly interface
- Flexible multi-protocol design
- Tesla, CHAdeMO, CCS, GB/T Protocol compatible
- Durable enclosure
- Wide temperature range: -20°C to + 85°C
- Data management and metering options
- RFID
- OCPP

Applications



Highways



Parking



Service
Station



Workplace



Fleet

Specifications

AC Nominal Input	
Phase	3 Phase + Neutral + PE
Voltage	260–475 VAC (Rated 380 VAC)
Frequency	45–65 Hz(10% ±)
Input Current	32 A
Power Factor	≥ 0.99
DC Nominal Output	
Voltage	200–750 VDC
Power	20 kW (Constant Power)
Output Current	0–50 A
Electrical Parameter	
Power Factor	≥ 0.99
Unequal Current Ratio	≤ 5%
Stable Voltage Accuracy	≤ ± 0.5%
Stable Current Accuracy	≤ ± 1%
Efficiency	≥ 94%
Soft Start Time	3 - 8 S
Auxiliary Power	≤ 100 W
Structure Design	
Installation Method	Wall Mounted
Charging Outlet	GBT
Cable Length	5 m (Standard)
LCD Screen	4.3" Color Touch Screen
Emergency Stop Button	Yes
Startup Mode	Plug & Play / OCPP / RFID / Password
RFID	yes
Dimensions (W×D×H)	642 × 454 × 153 mm
Weights	≤ 45 Kg
Communication	
EN-GATE vs. Charger	CAN 2.0, GBT
Network Connection	Ethernet, Wi-Fi, 3G, 4G
Communication Protocol	OCPP 1.5 / 1.6 (JSON)
OCPP	Yes
Environmental Index	
Operating & Storage Temperature	-20°C to +50°C/ -40°C to +85°C
Working Humidity	5% - 95% Without Condensation
Working Altitude	< 2000 m
Protection Grade	IP 54
Installation Environment	Indoor / Outdoor
Cooling Method	Fan Cooling (Liquid cooling for Option)
Security Protection	
Multiple Protection	Over/ Under Voltage Protection, Overload Protection, Short Circuit Protection Over/ Under Temperature Protection, Surge Protection Communication Failure
MTBF	1000 000 Hours