

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 and RFID card.



High Voltage Charging Module

- Wide input voltage range: 323Vac~500Vac
- Ultra-wide output voltage range: 200VDC~1000VDC
- Constant output power: 20kW
- Fan intelligent speed regulation; fan failure detection alarm; LED failure 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: -30°C to + 65°C
- Data management and metering options
- RFID

Applications



Highways



Parking



Service
Station



Workplace



Fleet

Specifications

AC Nominal Input	
Phase	3 Phase + Neutral + PE
Voltage	323-500 VAC
Frequency	45 - 55 HZ (10%±)
DC Nominal Output	
Voltage	200 - 1000 VDC
Power	20KW (Constant Power)
Output Current	5 - 65 A
Electrical Parameter	
Power Factor	≥ 0.99
Unequal Current Radio	≤ 5%
Stable Voltage Accuracy	≤ ± 0.5%
Stable Current Accuracy	≤ ± 1%
Efficiency	≥ 94% max
Soft Start Time	3 - 8 s
Auxiliary Power	≤ 100 W
Structure Design	
Installation Method	Wall Mounted
Charging Outlet	GBT
Cable Length	5 m (Standard)
LED Indicator	Yes
LCD Screen	Colored LCD Screen
Emergency Stop Button	Yes
Startup Mode	Plug-and-Play / RFID Card
RFID	Yes
Dimensions (W x D x H)	710x410x220 mm
Weights	≤ 40 kg
Communication	
EN-GATE vs. Charger	CAN 2.0, GB /T
Network Connection	Ethernet, Wi-Fi, 3G, 4G
Communication Protocol	OCPP 1.5 / 1.6 (JSON)
Environmental Index	
Operating & Storage Temperature	-30°C to 65°C
Working Humidity	5% - 95% Without Condensation
Working Altitude	< 2000m
Protection Grade	IP54
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