

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

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 | 65A |
| 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 | NA |
| Structure Design | |
| Installation Method | Wall Mounted |
| Charging Outlet | GBT |
| Cable Length | 5 m (Standard) |
| LED Indicator | NA |
| LCD Screen | Colored LCD Screen |
| Emergency Stop Button | Yes |
| Startup Mode | Plug-and-Play / RFID Card |
| RFID | Yes |
| Dimensions (W x D x H) | 630x393x145 mm |
| Weights | 33 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 |