

# Solatek Fast Charging Station DC

SLTK-DCEV-(CCS2/GB-T)240

Solatek DC Fast charging station offers Electric Vehicle owners an opportunity to charge their car safely and quickly. A typical electric car with 95kWh battery pack could be charged up to 80% of its capacity in about 20minutes\*\* (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

- Input Voltage range: 380±15% VAC
- Output Voltage range: 150~1000 VDC
- Output power: 240kW
- Fan intelligent speed regulation
- Fan failure detection alarm
- LED failure alarm

## Main Features

- OCPP1.5 & OCPP1.6
- Galvanized cabinet
- Durable enclosure
- User friendly interface
- Built-in safety measures
- Flexible multi-protocol design
- Temperature range: -25°C to +65°C
- Tesla, CHAdeMO, CCS, GB/T Protocol compatible
- Data management and metering options

## Applications



Highways



Parking



Service  
Station



Workplace



Fleet

## Specifications

|                                 |                                                                                                                                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AC Nominal Input</b>         |                                                                                                                                                                |
| Phase                           | 3 Phase + Neutral + PE                                                                                                                                         |
| Voltage                         | 380±15% VAC                                                                                                                                                    |
| Frequency                       | 40 - 65 HZ (10%±)                                                                                                                                              |
| <b>DC Nominal Output</b>        |                                                                                                                                                                |
| Voltage                         | 150 - 1000 VDC                                                                                                                                                 |
| Power                           | 240KW (Constant Power)                                                                                                                                         |
| Output Current                  | 0 - 250 A                                                                                                                                                      |
| <b>Electrical Parameter</b>     |                                                                                                                                                                |
| Power Factor                    | ≥ 0.99                                                                                                                                                         |
| Unequal Current Radio           | ≤ 5%                                                                                                                                                           |
| Stable Voltage Accuracy         | ≤ ± 0.5%                                                                                                                                                       |
| Stable Current Accuracy         | ≤ ± 1%                                                                                                                                                         |
| Efficiency                      | ≥ 95% max                                                                                                                                                      |
| Soft Start Time                 | 3 - 8 s                                                                                                                                                        |
| Auxiliary Power                 | 12 V                                                                                                                                                           |
| <b>Structure Design</b>         |                                                                                                                                                                |
| Installation Method             | Ground Mount                                                                                                                                                   |
| Charging Outlet                 | CCS2 + GBT                                                                                                                                                     |
| Cable Length                    | 5 m (Standard)                                                                                                                                                 |
| LED Indicator                   | 1 Indicator                                                                                                                                                    |
| LCD Screen                      | 10 Inch / 15 Inch Daylight Readable Touchscreen                                                                                                                |
| Emergency Stop Button           | Yes                                                                                                                                                            |
| Startup Mode                    | Plug-and-Play / RFID Card                                                                                                                                      |
| RFID                            | Yes                                                                                                                                                            |
| Dimensions (W x D x H)          | 80x65x180 cm                                                                                                                                                   |
| Weights                         | ≤ 450 kg                                                                                                                                                       |
| <b>Communication</b>            |                                                                                                                                                                |
| EN-GATE vs. Charger             | CAN 2.0 (CHAdemo), CCS                                                                                                                                         |
| Network Connection              | Ethernet, Wi-Fi, 3G, 4G                                                                                                                                        |
| Communication Protocol          | OCPP 1.5 / 1.6 (JSON)                                                                                                                                          |
| <b>Environmental Index</b>      |                                                                                                                                                                |
| Operating & Storage Temperature | -25°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)                                                                                                                        |
| <b>Security Protection</b>      |                                                                                                                                                                |
| Multiple Protection             | Over / Under Voltage Protection, Overload Protection, Short Circuit Protection<br>Over / Under Temperature Protection, Surge Protection, Communication Failure |
| MTBF                            | 1000,000 Hours                                                                                                                                                 |

Drawings

