Smart EV Charger

SUN-EVSE11K01-EU-AC SUN-EVSE22K01-EU-AC



Comprehensive Protection

- 6 mA DC leakage current detection
- IP66 rated for outdoor use

Flexible Charging Options

- Supports 7/11/22kW multi-power charging
- Supports single-phase & three-phase power charging

Smart Energy Management

- Plug & Play
- Auto charging via time and solar-only mode
- Real-time power monitoring and control via Deye Cloud

LoRa Communication

- Low latency
- Long-range communication
- Offline operation

Technical Data

Model	SUN-EVSE11K01-EU-AC	SUN-EVSE22K01-EU-AC
Product Parameter		
Input Voltage/Range (V)	230/400	230(single phase), 230/400(three phase)
Connection Mode	3L+N+PE	L+N+PE, 3L+N+PE
Input Current (A)	16	32
Input Frequency/Range	50Hz (45Hz-55Hz)/60Hz (55Hz-65Hz)	
Maximum Output Power (kW)	11	7(single phase)/ 22(three phase)
Starting Method	Plug and Play /Scheduled Charging	
Equipment Protection		
Over Temperature Protection	Yes	
Low Temperature Protection	Yes	
Over Voltage Protection	Yes	
Under Voltage Protection	Yes	
Short Circuit Protection	Yes	
Over Load Protection	Yes	
Earth Fault Protection	Yes	
Leakage Current Protection	DC 6mA	
Surge Protection Level	TYPE II	
General Data		
Operating Temperature Range (°C)	-40 to +55°C	
Permissible Ambient Humidity	5%~95% No condensation	
Permissible Altitude (m)	≤3000	
Noise (dB)	<25	
Ingress Protection(IP) Rating	IP 66	
Cabinet Size (WxHxD mm)	104x264x57.5	
Weight (kg)	3.7	
Gun Cable Length (m)	4.2	
Number Of Charging Guns	1	
MTBF	100,000h	
Safety EMC/Standard	EN IEC 61851-1:2019, IEC 61851-1:2017, EN 300 220-2 V3.1.1:2017, EN 300 328 V2.2.2:2019, EN IEC 62311:2020, EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.3.2:2023, EN 301 489-17 V3.3.1:2024, EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021	
Interface		
Communication Mode	LoRa/Wi-Fi/BLE	