

SMART CHARGER



Single-Phase
7.4 kW/32 A
SCharger-7KS-S0

Three-Phase
22 kW/32 A
SCharger-22KT-S0

*Available in specific regions only



PV Power
 Power Your Car with Solar Make EV Even Greener



Dynamic Charging Power
 Automatic Detection and Adjustment
 No Worry about Overload



3 Ways of Authentication
 Authentication Through Bluetooth, RFID



3-Step Installation
 Fast Installation in 16 Minutes
 Wiring-free Maintenance

SCharger-7KS-S0/SCharger-22KT-S0 Technical Specifications

Technical Specification	SCharger-7KS-S0	SCharger-22KT-S0
Inputs and Outputs		
Charge power (configurable)	1.4 kW to 7.4 kW	1.4 kW ¹ to 22 kW
Nominal voltage	230 V ± 20% (1-phase)	400 V ± 20% (3-phase)
Nominal current (configurable)	6-32 A (1-phase)	6-32 A (3-phase or 1-phase)
Nominal frequency	50 Hz/60 Hz ± 1 Hz	
Vehicle connection	Type 2 socket	
Cable cross-sectional area	Up to 10 mm ²	
Network types	TN, TT, IT	TN, TT
User Interface & Communications		
Protocol	Modbus TCP	
Communication	Wi-Fi/Ethernet	
Charger status information	WRGB LED and app	
Authentication	RFID (ISO-14443-A), app, Bluetooth	
Remote control & monitoring	App	
Working mode	Normal Charge Scheduled Charge PV Power Preferred	
Protection		
Cable protection	Cable E-Lock via app	
Residual current protection (RCD)	Type A (30 mA) + DC 6 mA integrated	
Fire class	UL94	
Overcurrent protection	IEC 61851-1	
Over-temperature protection	Yes	
Surge protection	CAT II	
General Specification		
Operating temperature range	-35°C to +45°C -35°C to +40°C @ 32A -35°C to +50°C @ 16A	
Application environment	Outdoor/Indoor	
Storage temperature	-40°C to +70°C	
Relative humidity	5%-95% RH	
Altitude	≤ 2000 m (derating between 2000~4000 m)	
Dimensions (H x W x D)	335 mm x 180 mm x 145 mm	
Weight	3 kg 3.1 kg	
Installation mode	Wall-mounted	
IP rating	IP54	
Impact protection level	IK10	
Standby self-consumption	< 6 W	
Standards Compliance (More Available Upon Request)		
Safety & Health	EN IEC 61851-1 2019, EN 62311 2008, EN IEC 62311 2020, EN 50665 2017, EN 50364 2018	
EMC	EN IEC 61851-21-2 2021, EN 301 489-1 V2.2.3 2019, EN 301 489-3 V2.1.1 2019, EN 301 489-17 V3.2.4 2020	
Radio	ETSI EN 300 328 V2.2.2, ETSI EN300 330 V2.1.1	
RoHS	EN IEC 63000:2018	
Others		
Accessories	RFID Card * 2	

¹ 1.4 kW for 1-phase charge and 4. 2 kW for 3-phase charge