

AC007/011E-01

AC charger for electric vehicles



RELIABLE AND SAFE

- Integrated with 6mA DC fault current detection
- IP65 protection suitable for both indoor and outdoor usage



SMART MANAGEMENT

- Beyond charging – maximum usage of solar energy together with Sungrow hybrid inverter **
- Control and visualization available on App



FLEXIBLE APPLICATION

- Different charging modes to fit all needs *
- Compatible with electric vehicles by AC Type2 plug
- Capable of OCPP 1.6J communication



USER FRIENDLY

- Support various options for authentication
- Time-saving installation by wall-mounting or with stand column ***

Technical parameters	AC007E-01	AC011E-01
AC Input		
Nominal grid voltage	230 Vac (± 20 %)	400 Vac (± 20 %)
Nominal grid frequency	50 Hz / 60 Hz	
AC Output		
Max. charging power	7.4 kw	11 kw
Max. charging current	32 A per phase	16 A per phase
Protection & Function		
Integrated DC fault current detection	Yes, 6mA	
Overload protection	Yes	
Over-temperature protection	Yes	
Surge protection	AC Type II	
Mechanical impact protection	IK08	
Grounding system	TT, TN	
ALM (Adaptative load management)	Yes	
Automatic phase switching	--	Yes
User interface & Communication		
Display	LED indicator / App	
Authentication	RFID-card / iSolarCloud App	
Charging mode	Eco charging / Fast charging / Scheduled charging / Customized charging	
Communication interface	WLAN, RS485 (to Sungrow inverter)	
Communication protocol	OCPP 1.6 J	
General data		
Dimensions (W * H * D)	205 mm * 310 mm * 92 mm	
Weight	4.2 kg	3.8 kg
Installation method	Wall-mounting (default) Stand column (optional)	
Degree of protection	IP65	
Operating ambient temperature range	-30 °C - 50 °C	
Allowable relative humidity range	5 % - 95 % (non-condensing)	
Cooling method	Natural convection	
Max. operating altitude	≤ 2000 m	
AC cable specification	Cross-section 6 mm ² * 3	Cross-section 2.5 mm ² * 5
Charging connector	AC Type 2	
Charging cable length	7 m	
Standby self-consumption	< 5 W	
Warranty	5 years (standard)	
Compliance	EN / IEC 61851-1, EN / IEC 61851-21-2	

*Setting of different charging modes is available on iSolarCloud.

** AC charger AC007E-01 is compatible with Sungrow 1-phase hybrid inverter SHRS and AC011E-01 compatible with 3-phase hybrid inverter SHRT / SHRT-20.

*** Stand column can be ordered separately. Please consult Sungrow for more information.