

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



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		
Grid voltage	1 / N / PE, 230 Vac (± 20 %)	3 / N / PE, 400 Vac (± 20 %)
Nominal grid frequency	50 Hz / 60 Hz	
Earthing system	TT, TN	
Max. input current	32 A (1-phase)	16 A (3-phase)
Standby self-consumption	< 5 W	
AC output		
Max. charging power	7.4 kw	11 kW
Max. charging voltage	230 Vac	
Max. charging current	32 A (1-phase)	16 A (3-phase)
Protection & Function		
Integrated DC fault current detection	Yes, 6mA	
Overload protection	Yes	
Over-temperature protection	Yes	
Surge protection	Yes	
Ground fault monitoring	Yes	
ALM (adaptive load management)	Yes	
Automatic phase switching	/	Yes
User interface		
Display	LED indicator / App	
Authentication	RFID-card / iSolarCloud App	
Firmware update	OTA	
RFID system	Mifare ISO 14443 A	
Charging mode	Eco charging / Fast charging / Scheduled charging / Customized charging	
Communication interface	WLAN, RS485 (to Sungrow inverter)	
Mechanical 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)	
AC cable specification	Cross-section 3 * 6 mm ²	Cross-section 5 * 2.5 mm ²
Charging cable length	7 m	
Charging connector	Type 2	
Environmental data		
Enclosure rating	IP65	
Mechanical impact protection	IK08	
Operating ambient temperature range	-30 °C - 50 °C	
Allowable relative humidity range	5 % - 95 % (non-condensing)	
Max. operating altitude	2000 m	
General data		
Compliance	EN 300 328, EN 300 330, EN 301 489-1 / 3 / 17, EN IEC 61000-6-1 / 3, EN IEC 61851-1 / 21, EN IEC 62311	
Warranty	5 years (standard)	

* 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.