

AC007UK-01

AC007UK-01 L1

AC charger for electric vehicles



RELIABLE AND SAFE

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



SMART MANAGEMENT

- Beyond charging – maximum usage of solar energy together with Sungrow hybrid inverter **
- Control and visualization available on App
- Adaptive load management to prevent overload ***



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	AC007UK-01 L1	AC007UK-01
AC Input		
Nominal grid voltage	230 Vac (± 10 %)	
Nominal grid frequency	50 Hz / 60 Hz	
AC Output		
Max. charging power	7.4 kW	
Max. charging current	32 A	
Protection & Function		
Integrated DC fault current detection	Yes, 6 mA	
Overload protection	Yes	
Over-temperature protection	Yes	
Surge protection	AC Type II	
PEN protection	Yes	
Mechanical impact protection	IK08	
ALM (Adaptative load management)	Yes	
User interface & Communication		
Display	LED indicator and App	
Authentication	RFID-card / iEnergyCharge App	RFID-card / iSolarCloud App
Charging mode	--	Eco charging / Fast Charging / Scheduled Charging / Customized charging
Communication interface	WLAN, RS485 (to external meter)	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	
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	
Charging connector	AC Type 2	
Charging cable length	7 m	
Standby self-consumption	< 5 W	
Warranty	3 years (standard)	5 years (standard)
Compliance	UKCA, No.1467, EN / IEC 61851-1, EN / IEC 61851-21-2	

* Setting of different charging modes is available on iSolarCloud.

** AC charger AC007UK-01 is compatible with Sungrow 1-phase hybrid inverter SHRS.

*** Additional smart meter is required and can be ordered separately. Please consult Sungrow for more information.

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

