SUNGROW
Clean power for all

AC22E-D G3

AC charger for electric vehicles

Full Safety Protection, Guard You & Family

- IP65, IK10, high protection rating suitable for various harsh environments
- MID-certified, accurate measurement, and bidirectional measurement

Smart interaction, worry-free power experience

- Smart Interactive Charging, Compliant with ISO 15118-2/-20, Seamless Plug and Play, Dynamic Power Adjustment, Power On-the-Go
- V2X Bidirectional Operation, Handle Temporary Power Needs with Ease
- Remote OTA updates via platform & app for continuous iteration
- Intelligent O&M with real-time charger health monitoring

AI Green Power, Boost Gains

- Empower the system, AI solar-storage-charging boosts revenue by 14%
- Powered by AI mode intelligent management, park charging runs steadily at lower costs, driving higher efficiency for private and shared access alike

Snap on charge go

- Slim & Sleek, Small Body, Big Freedom
- Multi-angle routing, flexible mounting for all tricky sites
- Rapid Deployment & Commissioning, Ready in 5 Minutes

Technical parameters	AC22E-D G3
AC Input	
Grid voltage	Single Phase: 1 / N / PE, 230（± 20 %） Three Phase: 3 / N / PE, 230（± 20 %）
Nominal grid frequency	50 / 60 Hz
Earthing system	TT / TN / IT
Max. input current	32 A
Standby self-consumption	6.5 W
AC Output	
Max. charging power	7 / 11 / 22 kW
Max. charging voltage	230 V / 400 V
Max. charging current	16 A / 32 A
Protection & Function	
Integrated DC fault current detection	Yes, 6mA
Integarted AC fault current detection	Yes, 30mA
Overload protecion	Yes
Over-temperature protection	Yes
Flame retardant protection	Yes
PEN protection	Yes
Ground fault monitoring	Yes
ALM (Adaptive load management)	Yes
Automatic phase switching	Yes
Emergency stop	NO
User interface	
Authentication	Plug & play or RFID-card or iSolarCloud App or iEnergyCharge App
Firmware update	OTA by iEnergyCharge
RFID system	ISO / IEC 14443 A / B & ISO / IEC 15693
Energy metering	Support MID meter
Metering accuracy	ClassA
Charging mode	OCPP or Plug & play or EMS by iEnergyCharge Eco charging / Fast charging / Scheduled charging / Customized charging by iSolarCloud
Communication interface	Standard：RS485 / WLAN / Wifi / Bluetooth Optional：Ethernet / 4G
Communication protocol (charger-to-CSMS)	OCPP 1.6 J & OCPP 2.0.1（coming soon） ISO15118（hardware ready*） V2X（hardware ready*）
Mechanical data	
Dimensions (W*H*D)	125 mm * 320 mm * 205 mm
Weight	4.5 kg
Installation method	Wall-mounting or Pole-mounting
AC cable specification	Cross-section 4 mm^2 - 10 mm^2
Charging cable length	7 m
Charging connector	Cable version: type 2 * 1 Socket version: type 2 * 1 Socket version with shutter: type 2 * 1
Environmental data	
Enclosure rating	IP65
Mechanical impact protection	IK10（HMI is IK08）
Operating ambient temperature range	-25 ℃ to 50 ℃（derating over 40℃）
Allowable relative humidity range	5 % - 95 %（non-condensing）
Max. operating altitude	3000m
Cooling method	Natural convection
EMC	ClassB
General data	
Compliance	CE CB MID
Application	Support Sungrow residential solar inverter and Energy Storage solution

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