

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 mm² - 10 mm²	
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 °C to 50 °C (derating over 40°C)	
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	

