

AC EV Charger 3.5 kW - 45 kW

- Built-in RFID card reader
- Supports OCPP 1.6 JSON network and 4G
- Supports up to 2 Evs
- Remote firmware upgrade with APP (OTA)
- Remote diagnostic function simplifies data collection and analysis process
- IP54 protection
- 4.3" colored touch LCD display for easy configuration



Specification

MODEL	AC16A1	AC32A1	AC80A1
Charging Type	Mode 3 charging		Mode 3 charging
Outlet Options	AC Type1 Level 2, Plug AC Type2, Plug or Socket AC GBT, Plug or Socket		AC Type1 Level 2, Plug
AC Input/output Power Rating	3.5 kW / 16A @220V 50 Hz 3.7 kW / 16A @230V 50 Hz 3.8 kW / 16A @240V 60 Hz	7 kW / 32A @220V 50 Hz 7.4 kW / 32A @230V 50 Hz 7.7 kW / 32A @240V 60 Hz	19.2 kW / 80A @240V 60Hz
Input/ouput voltage	220/230/240 VAC +/- 10%	220/230/240 VAC +/- 10%	208V - 240 VAC +/- 10%
Input Frequency	50 Hz or 60 Hz	50 Hz or 60 Hz	50 Hz or 60 Hz
Number of EV Served	Up to 2		
Cable Length	5.0 m, Optional: 7.6 m		
Maximum Current	16A ,Single phase	32A ,Single phase	80A ,Single phase
Electro-Magnetic Compatibility	Class A (optional Class B) according to EN 61000-6-3:2007		
Distribution Systems	TN-S, TN-C, TN-C-S, TT, IT		
Connector Type	1P + N + PE	1P + N + PE	1P + N + PE
Protection	Overcurrent, overvoltage, undervoltage, ground fault, integrated surge protection		
Overvoltage Category	Type III		
Energy Metering	Revenue grade energy meter		
Cellular Communication	GSM, 4G, LTE		
USER INTERFACE			
Connectivity	Ethernet (RJ45), 4G, Optional: 3G, WiFi		
User Authentication	RFID, QR code		
User Interface	4.3” touchscreen LCD, Optional: 5” touchscreen		
Status indication	3 indicators		
Communiation Protocols	Proprietary and OCPP 1.6J		
RFID Reader	ISO/IEC 14443 A/B Mifare RFID reader		
Emergency Button	Yes		
CONFIGURATION			
Software Upgrade	Over-the-air		
Language system	English, Chinese		
GENERAL CHARACTERISTICS			
Protection Rating	IP54 and IK10 (cabinet) / IK8 (touchscreen)		
Housing Material	SGCC, Optional: SUS430		
Operating Altitude	Up to 2000 m		
Operating Temperature	-35 °C to 55 °C		
Storage Temperature	-40 °C to 80 °C		
Humidity	< 95%, non-condensing		
Mounting	Wall-mount or pedestal stand (Cable can be wrapped around the hanger)		
Dimensions (D x W x H) mm	150 x 290 x 400		130 x 290 x 400
Net Weight (kgs)	12.5		15
COMPLIANCE STANDARDS			
Charging System	IEC 61851-21-2, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3, EN 61000-3-11, EN 61000-3-12 FCC Part 15 Class B, GBT18487, GBT20234, ENERGY STAR		
Safety Standards	IEC/EN 61851-1, EN 62311, EN 62479, IEC/EN 62955 UL 2594, UL 2231-1, UL 2231-2, CSA C22.2. NO.280		

Product specifications are subject to change without further notice

Specification

MODEL	AC16A3	AC32A3	AC63A3
Charging Type	Mode 3 charging	Mode 3 charging	Mode 3 charging
Outlet Options	AC Type2, Plug or Socket AC GBT, Plug or Socket		
AC Input/output Power Rating	11 kW / 16A @380V 50Hz 11 kW / 16A @400V 50Hz 11 kW / 16A @415V 50Hz	21 kW / 32A @380V 50Hz 22 kW / 32A @400V 50Hz 23 kW / 32A @415V 50Hz	41 kW / 63A @380V 50Hz 43 kW / 63A @400V 50Hz 45 kW / 63A @415V 50Hz
Input/output voltage	380/400/415 VAC +/- 10%	380/400/415 VAC +/- 10%	380/400/415 VAC +/- 10%
Input Frequency	50 Hz or 60 Hz	50 Hz or 60 Hz	50 Hz or 60 Hz
Number of EV Served	Up to 2		
Cable Length	5.0 m, Optional: 7.6 m		
Maximum Current	16A ,Three phase	32A ,Three phase	63A ,Three phase
Electro-Magnetic Compatibility	Class A (optional Class B) according to EN 61000-6-3:2007		
Distribution Systems	TN-S, TN-C, TN-C-S, TT, IT		
Connector Type	3P + N + PE	3P + N + PE	3P + N + PE
Protection	Overcurrent, overvoltage, undervoltage, ground fault, integrated surge protection		
Overvoltage Category	Type III		
Energy Metering	Revenue grade energy meter		
Cellular Communication	GSM, 4G, LTE		

USER INTERFACE

Connectivity	Ethernet (RJ45), 4G, Optional: 3G, WIFI
User Authentication	RFID, QR code
User Interface	4.3" touchscreen LCD, Optional: 5" touchscreen
Status indication	3 indicators
Communication Protocols	Proprietary and OCPP 1.6J
RFID Reader	ISO/IEC 14443 A/B Mifare RFID reader
Emergency Button	Yes

CONFIGURATION

Software Upgrade	Over-the-air
Language system	English, Chinese

GENERAL CHARACTERISTICS

Protection Rating	IP54 and IK10 (cabinet) / IK8 (touchscreen)
Housing Material	SGCC, Optional: SUS430
Operating Altitude	Up to 2000 m
Operating Temperature	-35 °C to 55 °C
Storage Temperature	-40 °C to 80 °C
Humidity	< 95%, non-condensing
Mounting	Wall-mount or pedestal stand (Cable can be wrapped around the hanger)
Dimensions (D x W x H) mm	240 x 360 x 600
Net Weight (kgs)	45

COMPLIANCE STANDARDS

Charging System	IEC 61851-21-2, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3, EN 61000-3-11, EN 61000-3-12 FCC Part 15 Class B, GBT18487, GBT20234, ENERGY STAR
Safety Standards	IEC/EN 61851-1, EN 62311, EN 62479, IEC/EN 62955 UL 2594, UL 2231-1, UL 2231-2, CSA C22.2. NO.280

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