



EV Charging Solution

AC Charger / AC MAX - Basic

- Flexible 22 kW AC platform to cater for diverse charging application requirements
- Low standby power consumption for energy-saving
- Compact design with robust enclosure for indoor and outdoor environment



Commercial
Building



Parking



Residential
Area



Compact and Powerful - Liven up Home Charging

AC MAX Basic enables 3-phase charging up to 22 kW. The maximum charging power can be easily set to the available power capacity by adjusting the internal DIP-switches. With its compact, IP55 and IK09 rated design AC MAX Basic is the perfect solution for indoor and outdoor installations. The integrated key switch provides robust and easy-to-use access control system.

The plug and play design reduces installation and commissioning time. By supporting Over-the-Air (OTA) firmware update via Bluetooth, AC MAX Basic is the future-proof charging solution for residential applications.



Application Scenario

Charging Network

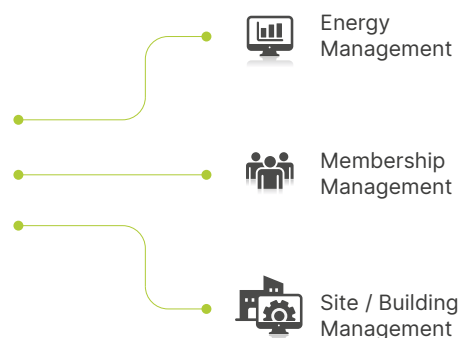


Mobile App

Mobile App access
for remote control



Applications



... and more

Feature Highlights



AC charger to optimize charging activity

- Three phase charging with 22 kW output power
- Extremely low standby power for energy-saving and cost optimization



Complete system integration for better charging services

- Interoperate with related business, service, and 3rd party applications



Compact design with robust enclosure

- Compact design : 218 × 371 × 167 mm
- All-weather protection : IP55 / IK09
- Optional wall mount or pedestal mount


Product at a Glance

Network Connectivity
Bluetooth

Key Switch



Charging Interface

 IEC 62196-2 Type 2

Wiring

Bottom feed, Rear feed

Specifications

Model	AC MAX Basic	
Power Input	3.7 kW / 11 kW	7.4 kW / 22 kW
Nominal Current	16 A	32 A
Grid Connection	Single-phase electric power (L1, N, PE) Three-phase electric power (L1, L2, L3, N, PE) All AC MAX BASIC models support both single phase and three phase installations	
AC Voltage	230 V / 400 V	
Frequency	50 Hz / 60 Hz	
Grounding Systems	TN, TT, IT	
Terminal	Terminal block	
Protection	Over current, Under voltage, Over voltage, Over temperature, Surge protection, Short circuit, Ground fault	
Standby Power	3.6 W	
Charging Output		
Nominal Power	Single-phase: 3.7 kW Three-phase: 11 kW	Single-phase: 7.4 kW Three-phase: 22 kW
Nominal Current	16 A per phase	32 A per phase
Connector Type	AC Type 2 Plug	AC Type 2 Plug AC Type 2 Socket AC Type 2 Socket with shutter
Charging Voltage	230 V / 400 V	
Cable Length	5 m (models with AC Type 2 Plug charging interface)	
Protection	RCD Type A (AC 30 mA), RDC-DD (DC 6 mA)	
Compliance	IEC 61851-1, IEC 62196-2, IEC61008-1, IEC 62955	
User Interface		
Display	Status LED, 4 colors	
Authentication	Key switch	
Charger Configuration	Maximum charging current selectable by 8-step hardware DIP switch	
Network Interface		
Bluetooth		
Protocols and Applications	Configuration, control, monitoring and firmware update	
RS485		
Protocols and Applications	ModBus RTU for energy management	
Mechanical Properties		
Ingress Protection (IEC 60529)	IP55	
Impact Protection (IEC 62262)	IK09	
Cooling	Natural convection	
Dimensions* (W x H x D)	218 x 371 x 167 mm (8.6 x 14.6 x 6.6 inch)	
Weight*	6.0 kg (13.3 lbs), including charging cable	
Environmental Conditions		
Operating Temperature Range	- 30 °C to + 50 °C (- 22 °F to + 122 °F)	
Storage Temperature Range	- 40 °C to + 80 °C (- 40 °F to + 176 °F)	
Humidity	< 95 % relative humidity, non-condensing	
Altitude	Up to 2,000 m (6,500 ft.)	
Compliance		
EU Low Voltage Directive	IEC 61851-1, IEC 62479	
EU EMI Directive	EN 61000-3-11 / -12, IEC 61851-21-2	

* Product outlook depends on model configuration. Specifications are subject to change without notice.



More information

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