



## 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



# 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

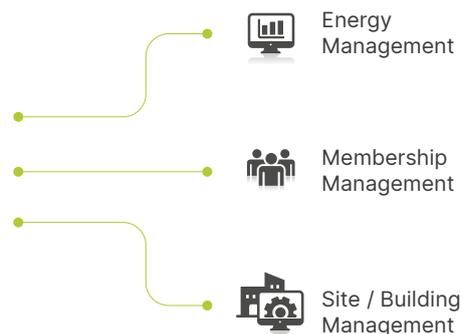


### Mobile App

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	
<b>Charging Output</b>		
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	
<b>User Interface</b>		
Display	Status LED, 4 colors	
Authentication	Key switch	
Charger Configuration	Maximum charging current selectable by 8-step hardware DIP switch	
<b>Network Interface</b>		
<b>Bluetooth</b>		
Protocols and Applications	Configuration, control, monitoring and firmware update	
<b>RS485</b>		
Protocols and Applications	ModBus RTU for energy management	
<b>Mechanical Properties</b>		
Ingress Protection (IEC 60529)	IP55	
Impact Protection (IEC 62262)	IK09	
Cooling	Natural convection	
Dimensions* (W x H x D)	218 × 371 × 167 mm ( 8.6 × 14.6 × 6.6 inch)	
Weight*	6.0 kg (13.3 lbs), including charging cable	
<b>Environmental Conditions</b>		
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.)	
<b>Compliance</b>		
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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