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EV Charger for Smart Home

7.4kW / 22kW



Datasheet



Product Overview

Enhance your charging experience with the AC EV charger, endorsed by CE&UKCA and featuring the T2S socket option. Take control of your charger via a smart app and various connectivity choices.



Product Advantages







Wi-Fi/Ethernet /Bluetooth/4G







DLB and Solar

Compatible



Full Protection

EV Charger for Smart Home

Product Introduction

This is a mode 3 type AC EV Charger which is designed according to IEC 61851-21-2 standard, it can be wall mounted, it can also be installed on a pedestal.

Protection Functions



Charging protocol OCPP1.6-J



BCPM Series EV chargers have an IP65 patented designcase for outdoor and indoor use.



The type 2 socket with shutter in acccordance with IEC 62196-2,makes highly flexible and compatible with all electric vehicles.



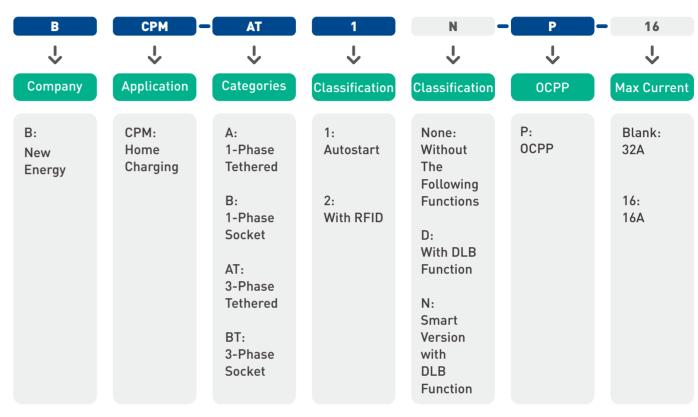
Plug and start to charge automatic. (RFID card for option)



The EV charger output power can be adjusted from 6A all the way up to 32A.



EV Charger Model



RFID(Radio Frequency Identification Card)

RFID card reader enabled to start up charging function while approaching the swipe area.



EV Charger for Smart Home

⊘ Smart APP







The EV charger can be controlled by smart APP via WIFI or bluetooth connection.



Scheduled charging.



One to one binding EV charger by reset the password, prevent the EV charger being stolen.



View charging data and status.



Set up various charging configurations, charging current, DLB mode, etc.



Firmware update.



View historical charging records.



Setting monthly maximum charging values.

Electrical

Charging Capacity	1.3kW – 7.4kW / 4.1kW – 22kW		
Charge Mode	Mode 3 (IEC 61851-1)		
Output Power	Selectable 1-phase or 3-phase, 230-400V 6A -32A, 50-60Hz		
Socket Type	Type 2 Socket with Shutter		

\bigcirc Protection and certification

Build-in RCD	DC6mA leakage sensor built-in
Socket	IP65, IK10
Operating Temperature	-30~+55°C
Compliance	IEC61851-1,IEC61851-21-2,IEC61000-4 CE EMC EU/2014.CE Low Voltage EU/2014/35
Certificate	CE

Connectivity

Authorization	Auto-start standard / RFID card option		
Status Indication	LED ring		
WLAN Communication	Wi-Fi / Bluetooth 4.2 option		
Charging Protocol	0CPP1.6-J		

Mechanical

Housing	Metal
Dimension	W278 x H360 x D152 mm
Mounting	Wall or Pole

EV Charger for Smart Home

Operating Frequency Range	2412 - 2484MHz
WI-FI Protocols	IEEE 802.11 b/g/n
Channels	13
TX Power	<20dbm
EIRP	0.459
TX bandwidth	20MHz/40MHz
Modulation type	OFDM & DSSS
Transmitting Duty Cycle	10%

Sensitivity @30.8% PER	-93 dbm
Co-channel C/I	+10db
RF Power Control Range	-12 ~ 9dbm

(N) NFC

Modulation Type	ASK
Operating Frequency	13.56MHz
H-field strength	21.31 dBuA/m@3m distance
Antenna Type	Coil Antenna

Model Selection

Wallbox Models	BCPM-A2N-P	BCPM-AT2N-P
	B	B
Maximum Power	7.4kW	22kW
Input Voltage /Output voltage	AC230V 1-Phase	AC400V 3-Phase
Input Frequency		50/60Hz
Tethered/Socket		Tethered
Meter	Built-in metering chip	+ external MID meter (optional)
Display	1	LED Lights
RFID	⊘	
DLB	0	0
Wi-Fi	⊘	⊘
Ethernet	⊘	⊘
Bluetooth	⊘	⊘
4G	0	0
Over Voltage &Under Voltage Protection	Ø	
Emergency Stop	lacksquare	
Over Current Protection	Ø	
CP Signal Short Circuit Protection	⊘	
Over Temperature Protection	Ø	
Lightning Protection	⊘	
Contactor Adhesion Protection	Ø	⊘

Model Selection

Length of gun cable	5M
Rate Charging Current	6-32A
Protection Degree	IP65
Environment Temperature	-30°C~+55°C
Storage Temperature	-40°C~+85°C
Gross Weight	12KG
Maximum Altitude	<2000m

✓ : Standard ○ : Optional

Wallbox Models	BCPM-B2N-P	В	CPM-BT2N-P
			(d)
Maximum Power	7.4kW		22kW
Input Voltage /Output voltage	AC230V 1-Phase	AC	C400V 3-Phase
Input Frequency		50/60Hz	
Tethered/Socket		Socket	
Meter	Built-in metering chi	p + external MID meter	(optional)
Display		LED Lights	
T2S Socket	0		0
RFID	⊘		⊘
DLB	0		0
Wi-Fi	Ø		⊘
Ethernet	Ø		Ø
Bluetooth	⊘		Ø
4G	0		0
Over Voltage &Under Voltage Protection	•		•
Emergency Stop	lacksquare		Ø
Over Current Protection	•		•
CP Signal Short Circuit Protection	Ø		Ø
Over Temperature Protection	⊘		Ø
Lightning Protection	Ø		⊘
Contactor Adhesion Protection	•		•

Rate Charging Current	6-32A
Protection Degree	IP65
Environment Temperature	-30°C~+55°C
Storage Temperature	-40°C~+85°C
Gross Weight	9.3KG
Maximum Altitude	<2000m

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