



# EV Charger for Commercial

## 7.4kW / 22kW



**Datasheet**

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⚠️ If the models and specifications in this product catalogue change due to product updates, we will not provide prior notification.



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WWW.EVB.COM

**ZBENYI**

# Product Overview

Enhance your charging experience with the Beny AC EV charger, endorsed by CE and featuring the T2S socket option. Experience effortless interaction with its 5.0-inch LCD screen interface. Take control of your charger via a smart app and various connectivity choices.



Antenna

Logo

LCD Screen

RFID

Emergency  
Button Switch

Type 2 Socket

Function Test  
Button

## Product Advantages



5.0-inch  
LCD screen



IP65 Rating



Wi-Fi/Ethernet  
/Bluetooth/4G



OCPP 1.6J



T2S Socket  
Option



DLB and Solar  
Compatible



Full Protection

# EV Charger for Commercial

## 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	 BCPCM Series EV chargers have an IP65 patented designcase for outdoor and indoor use.	 The EV charger output power can be adjusted from 6A all the way up to 32A.
 The type 2 socket and type 2 connector are with IEC 62196-2, makes highly flexible and compatible with all electric vehicles.		

## Electrical

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

## Protection and certification

<b>Build-in RCD</b>	Built-in Type A RCBO , Built-in DC6mA Leakage Sensor
<b>Socket</b>	IP65, IK10
<b>Operating Temperature</b>	-30~+55°C
<b>Compliance</b>	IEC61851-1,IEC61851-21-2,IEC61000-4 CE EMC EU/2014.CE Low Voltage EU/2014/35
<b>Certificate</b>	CE

## Mechanical

<b>Housing</b>	Metal
<b>Dimension</b>	W278 x H360 x D152 mm
<b>Mounting</b>	Wall or Pole

## Connectivity

<b>Authorization</b>	Auto-start standard / RFID card option
<b>Status Indication</b>	LCD Screen+LED Lights
<b>WLAN Communication</b>	Wi-Fi / Bluetooth 4.2 option
<b>Charging Protocol</b>	OCPP1.6-J

## WIFI

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

## BlueTooth BLE

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

## NFC

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



# Model Selection

Wallbox Models	BCPCM-A2N-P	BCPCM-AT2N-P
		
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 MID Meter	
Display	Five-inch LCD Screen + LED Lights	
RFID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DLB	<input type="checkbox"/>	<input type="checkbox"/>
Wi-Fi	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ethernet	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bluetooth	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4G	<input type="checkbox"/>	<input type="checkbox"/>
Over Voltage &Under Voltage Protection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergency Stop	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Over Current Protection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CP Signal Short Circuit Protection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Over Temperature Protection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Lightning Protection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Contactors Adhesion Protection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Built-in Electric Meter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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	13KG
Maximum Altitude	<2000m

: Standard  : Optional

# Model Selection

Wallbox Models	BCPCM-B2N-P	BCPCM-BT2N-P
		
Maximum Power	7.4kW	22kW
Input Voltage /Output voltage	AC230V 1-Phase	AC400V 3-Phase
Input Frequency	50/60Hz	
Tethered/Socket	Socket	
Meter	Built-in MID Meter	
Display	Five-inch LCD Screen + LED Lights	
T2S Socket	<input type="radio"/>	<input type="radio"/>
RFID	<input checked="" type="radio"/>	<input checked="" type="radio"/>
DLB	<input type="radio"/>	<input type="radio"/>
Wi-Fi	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Ethernet	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Bluetooth	<input checked="" type="radio"/>	<input checked="" type="radio"/>
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Lightning Protection	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Contactors Adhesion Protection	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Built-in Electric Meter	<input checked="" type="radio"/>	<input checked="" type="radio"/>

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

: Standard  : Optional