



BENY

Datasheet



ZHEJIANG BENYI NEW ENERGY CO.,LTD.
SHUANGHUANGLU INDUSTRIAL ZONE, BEIBAIXIANG TOWN, YUEQING CITY, WENZHOU CITY, ZHEJIANG PROVINCE, CHINA.
TEL: +86-577-5717 7008 FAX: +86-577-5717 7007
✉ info@evb.com
🌐 www.evb.com
♻️ This catalogue has been printed on ecological paper .
© Zhejiang Benyi New Energy Co., Ltd. All rights reserved.
⚠ If the models and specifications in this product catalogue change due to product updates, we will not provide prior notification.
Importer: xxxxxxx
Address: xxxxxxx



VERSION: 20250709-01

WWW.EVB.COM

Product Overview

Enjoy a satisfying charging experience with the fully certified BENY wall-mounted OCPP AC EV charger. It is designed to be intelligent, reliable, convenient, and efficient. Control your charger by smart app and various connectivity options.



Emergency
Button Switch

Function
Test Button

Wiring port

Logo

RFID

LED Light

Product Advantages



Wall-Mounted



IP65 Rating



Wi-Fi/Ethernet
/Bluetooth



OCPP 1.6J



Smart APP



DLB and Solar
Compatible



Full Protection

Order Your Style



WWW.EVB.COM

OCPP AC EV Charger

Electrical

Charging Capacity	Selectable 1-phase or 3-phase, 230-400V 6A -32A, 50-60Hz
Charge Mode	Mode 3 (IEC 61851-1)
Output Power	7.4kW / 22kW

Protection and certification

Build-in RCD	DC6mA Leakage Sensor Built-in
Protection Degree	IP65 , IK10
Housing Fire Ratings	V0
Operating Temperature	-30°C~+50°C
Compliance	IEC61851-1, IEC61851-21-2
Certificate	CE , CB , RCM

Connectivity

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

Mechanical

Housing	Plastic
Dimension	W230 x H381 x D122 mm
Mounting	Wall or Pole

Wi-Fi

Operating Frequency Range	2412 - 2484MHz
Wi-Fi Protocols	IEEE 802.11 b/g/n
Channels	14
TX Power	18.5~20.5dBm
EIRP	0.459
TX bandwidth	20MHz/40MHz
Modulation type	OFDM & DSSS
Transmitting Duty Cycle	10%

Bluetooth BLE

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

NFC

Modulation Type	ASK
Operating Frequency	13.56MHz
H-field strength	13.29 dBuA/m@3m distance
Antenna Type	PCB antenna (coil)

LoRa

Working frequency band	410MHz-510MHz
------------------------	---------------

Model Selection

OCPP AC EV Charger	BCP-A2M-P	BCP-AT2M-P
		
Categorization	Tethered	
Maximum Power	7.4kW	22kW
Input Voltage /Output voltage	AC230V 1-Phase	AC400V 3-Phase
Input Frequency	50/60Hz	
Meter	Built-in metering chip + external MID meter (optional)	
Display	LED Lights	
RFID	✓	✓
DLB	○	○
Wi-Fi	✓	✓
Ethernet	✓	✓
Bluetooth	✓	✓
Over Voltage & Under Voltage Protection	✓	✓
Emergency Stop	✓	✓
Over Current Protection	✓	✓
CP Signal Short Circuit Protection	✓	✓
Over Temperature Protection	✓	✓
Lightning Protection	✓	✓
Contactor Adhesion Protection	✓	✓
Protection Degree	IP65	
Environment Temperature	-30°C~~+50°C	

✓ : Standard ○ : Optional

Storage temperature	-40°C~~+85°C	
Maximum Altitude	<2000m	
Input Current	32A	
Maximum Output Current	32A	
Efficiency	about 100%	
Working humidity	95% non-condensing	
Cable length	5M	
Gross Weight	6Kg	7Kg
Standards	IEC61851-1,IEC61851-21-2	
Communication interface	Wireless/LAN Port	
Communication protocol	OCPP1.6-J	
User management	Bluetooth/Wi-Fi/Smart APP	
Starting	Auto-start standard / RFID card	

OCPP AC EV Charger		
	BCP-A2M-P-16	BCP-AT2M-P-16
		
Categorization	Tethered	
Maximum Power	3.7kW	11kW
Input Voltage /Output voltage	AC230V 1-Phase	AC400V 3-Phase
Input Frequency	50/60Hz	
Meter	Built-in metering chip + external MID meter (optional)	
Display	LED Lights	
RFID	✓	✓
DLB	○	○
Wi-Fi	✓	✓
Ethernet	✓	✓
Bluetooth	✓	✓
Over Voltage & Under Voltage Protection	✓	✓
Emergency Stop	✓	✓
Over Current Protection	✓	✓
CP Signal Short Circuit Protection	✓	✓
Over Temperature Protection	✓	✓
Lightning Protection	✓	✓
Contactor Adhesion Protection	✓	✓
Protection Degree	IP65	
Environment Temperature	-30°C~~+50°C	

✓ : Standard ○ : Optional

Storage temperature	-40°C~~+85°C	
Maximum Altitude	<2000m	
Input Current	16A	
Maximum Output Current	16A	
Efficiency	about 100%	
Working humidity	95% non-condensing	
Cable length	5M	
Gross Weight	5Kg	6Kg
Standards	IEC61851-1,IEC61851-21-2	
Communication interface	Wireless/LAN Port	
Communication protocol	OCPP1.6-J	
User management	Bluetooth/Wi-Fi/Smart APP	
Starting	Auto-start standard / RFID card	