



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

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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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Product Overview

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 pedestal.



Smart AC EV Charger

Electrical

Charging Capacity	Selectable 1-phase or 3-phase, 230-400V 6A -32A / 16A, 50-60Hz
Charge Mode	Mode 3 (IEC 61851-1)
Output Power	1.3kW – 7.4kW / 4.1kW – 22kW / 3.7kW / 11kW
Socket Type	Type 2

Protection and certification

Build-in RCD	TYPE A + DC6mA leakage sensor built-in
Protection Degree	IP65, IK10
Housing Fire Ratings	V0
Operating Temperature	-25°C~+55°C
Compliance	IEC61851-1, IEC61851-21-2
Certificate	CE, CB, UKCA

Connectivity

Authorization	Auto-start standard / RFID card option
Status Indication	LED Lights
WLAN Communication	Wi-Fi / Bluetooth 4.2 option

Mechanical

Housing	Plastic
Dimension	W169 x H380 x D151/201 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)

Model Selection

Smart AC EV Charger	BCP-AT2N-L	BCP-AT2N-L-16	BCP-BT2N-L	BCP-BT2N-L-16
				
Categorization	Smart Version			
Maximum Power	22kW	11kW	22kW	11kW
Input Voltage /Output voltage	AC400 3-Phase			
Input Frequency	50/60Hz			
Meter	Metering Chip			
Display	LED Lights			
RFID	✓	✓	✓	✓
DLB	○	○	○	○
Wi-Fi	✓	✓	✓	✓
APP	✓	✓	✓	✓
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	IP65	IP55	IP55
Efficiency	about 100%			
Working humidity	95% non-condensing			

Environment Temperature	-25°C~+55°C			
Storage temperature	-40°C~+85°C			
Maximum Altitude	<2000m			
Input Current	32A	16A	32A	16A
Socket Type	/	/	Type 2	Type 2
Maximum Output Current	32A	16A	32A	16A
Cable length	5M	5M	/	/
Gross Weight	7KG	5.5KG	5KG	4KG
standards	IEC61851-1,IEC61851-21-2			
User management	Bluetooth/Wifi/Smart APP			
starting	Auto-start standard / RFID card			

✓ : Standard ○ : Optional

Model Selection

Smart AC EV Charger	BCP-A2N-L	BCP-A2N-L-16	BCP-B2N-L	BCP-B2N-L-16
				
Categorization	Smart Version			
Maximum Power	7.4kW	3.7kW	7.4kW	3.7kW
Input Voltage /Output voltage	AC230 1-Phase			
Input Frequency	50/60Hz			
Meter	Metering Chip			
Display	LED Lights			
RFID	✓	✓	✓	✓
DLB	○	○	○	○
Wi-Fi	✓	✓	✓	✓
APP	✓	✓	✓	✓
Bluetooth	✓	✓	✓	✓
Over Voltage &Under Voltage Protection	✓	✓	✓	✓
Emergency Stop	✓	✓	✓	✓
Over Current Protection	✓	✓	✓	✓
CP Signal Short Circuit Protection	✓	✓	✓	✓
Over Temperature Protection	✓	✓	✓	✓
Lightning Protection	✓	✓	✓	✓
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User management	Bluetooth/Wifi/Smart APP			
starting	Auto-start standard / RFID card			

✓ : Standard ○ : Optional

Model Selection

Smart AC EV Charger	BCP-A2N-L-E	BCP-A2N-L-E-16	BCP-B2N-L-E	BCP-B2N-L-E-16
				
Categorization	Smart Version			
Maximum Power	7.4kW	3.7kW	7.4kW	3.7kW
Input Voltage /Output voltage	AC230 1-Phase			
Input Frequency	50/60Hz			
Meter	Metering Chip			
Display	LED Lights			
RFID	✓	✓	✓	✓
DLB	○	○	○	○
Wi-Fi	✓	✓	✓	✓
PEN	✓	✓	✓	✓
APP	✓	✓	✓	✓
Bluetooth	✓	✓	✓	✓
Over Voltage &Under Voltage Protection	✓	✓	✓	✓
Emergency Stop	✓	✓	✓	✓
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standards	IEC61851-1,IEC61851-21-2			
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