

**ZBENY**

# OCP EV Charger

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For the latest version of specification, please refer to [www.beny.com](http://www.beny.com) or contact to [benyi@zjbeny.com](mailto:benyi@zjbeny.com)  
We reserve the right to explain the terms of specification.

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BCP Series EV chargers have an IP65 patented design case for outdoor and indoor use.



The type 2 (IEC 62196-2) charging connector 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.



Charging protocol OCPP1.6-J

## Models Specification and Selection

Wallbox Models	BCP-A2N-L	BCP-B2N-L	BCP-AT2N-L	BCP-BT2N-L	BCP-DT2S-L
Maximum Power	7.4kW		22kW		2x22kW
Input Voltage /Output voltage	AC230 1-Phase		AC400 3-Phase		AC400 3-Phase
Input frequency	50/60Hz				50/60Hz
Tethered/Socket	Tethered	Socket	Tethered	Socket	2xSocket
Meter	Metering Chip				MID Meter
Display	LED Lights				LCD Screen+LED Lights
RFID	✓	✓	✓	✓	✓
DLB	○	○	○	○	✗
Wi-Fi	✓	✓	✓	✓	✓
Ethernet	✗	✗	✗	✗	○
4G	✗	✗	✗	✗	○
Over Voltage & Under Voltage Protection	✓	✓	✓	✓	✓
Emergency Stop	✓	✓	✓	✓	✓
Over Current Protection	✓	✓	✓	✓	✓
CP Signal Short Circuit protection	✓	✓	✓	✓	✓
Over Temperature Protection	✓	✓	✓	✓	✓
Lightning Protection	✓	✓	✓	✓	✓
Contactors Adhesion Protection	✓	✓	✓	✓	✓
Protection degree	IP65	IP55	IP65	IP55	IP55
Environment temperature	-25°C ~ +55°C				
Maximum altitude	<2000m				

✓ : Standard ○ : Optional ✗ : Without

## OCPP Specification

### 1. OCPP Specification

Version	OCPP1.6-J
TLS	support
HTTP Basic Authentication	support
Feature Profiles	Core, Firmware Management, Local Auth List Management, Remote Trigger, Reservation, Smart Charging
Get Diagnostics Protocol	FTP
Update Firmware Protocol	HTTP

### 2. Security Profile

Level	Details	Yes or No
Security Profile 0	Regular OCPP 1.6J without security	√
Security Profile 1	OCPP 1.6J with Basic Authentication	√
Security Profile 2	OCPP 1.6J with TLS (Only Server-side certificate) and Basic Authentication	√
Security Profile 3	OCPP 1.6J with TLS using Server and client-side certificates	X

### 3.OCPP Configurations

Name	Support	(R)/ (RW)
Allow Offline Tx For UnknownId	YES	RW
Authorization Cache Enabled	YES	RW
Authorize Remote Tx Requests	YES	RW
Blink Repeat	NO	RW
Clock Aligned DataInterval	YES	RW
Connection Time Out	YES	RW
Connector Phase Rotation	YES	RW
Connector Phase Rotation MaxLength	YES	R
Get Configuration MaxKeys	YES	R
Heartbeat Interval	YES	RW

## OCPP Specification

Name	Support	(R)/ (RW)
Light Intensity	NO	RW
Local Authorize Offline	YES	RW
Local Pre Authorize	YES	RW
Max Energy OnInvalidId	NO	RW
Meter Values Aligned Data	YES	RW
Meter Values Aligned Data Max Length	YES	R
Meter Values Sampled Data	YES	RW
Meter Values Sampled Data Max Length	YES	R
Meter Value Sample Interval	YES	RW
Minimum Status Duration	YES	RW
Number Of Connectors	YES	R
Reset Retries	YES	RW
Stop Transaction On EVSide Disconnect	YES	RW
Stop Transaction OnInvalidId	YES	RW
Stop Txn Aligned Data	NO	RW
Stop Txn Aligned Data Max Length	NO	R
Stop Txn Sampled Data	NO	RW
Stop Txn Sampled Data Max Length	NO	R
Supported Feature Profiles	YES	R
Supported Feature Profiles Max Length	YES	R
Transaction Message Attempts	YES	RW
Transaction Message Retry Interval	YES	RW
Unlock Connector On EVSide Disconnect	YES	RW
Web Socket Ping Interval	YES	RW
Local Auth List Enabled	YES	RW
Local Auth List Max Length	YES	R
Send Local List Max Length	YES	R

## OCPP Specification

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Name	Support	(R)/ (RW)
Reserve Connector Zero Supported	YES	R
Charge Profile Max Stack Level	YES	R
Charging Schedule Allowed Charging RateUnit	YES	R
Charging Schedule Max Periods	YES	R
Connector Switch 3 to 1 Phase Supported	YES	R
Max Charging Profiles Installed	YES	R