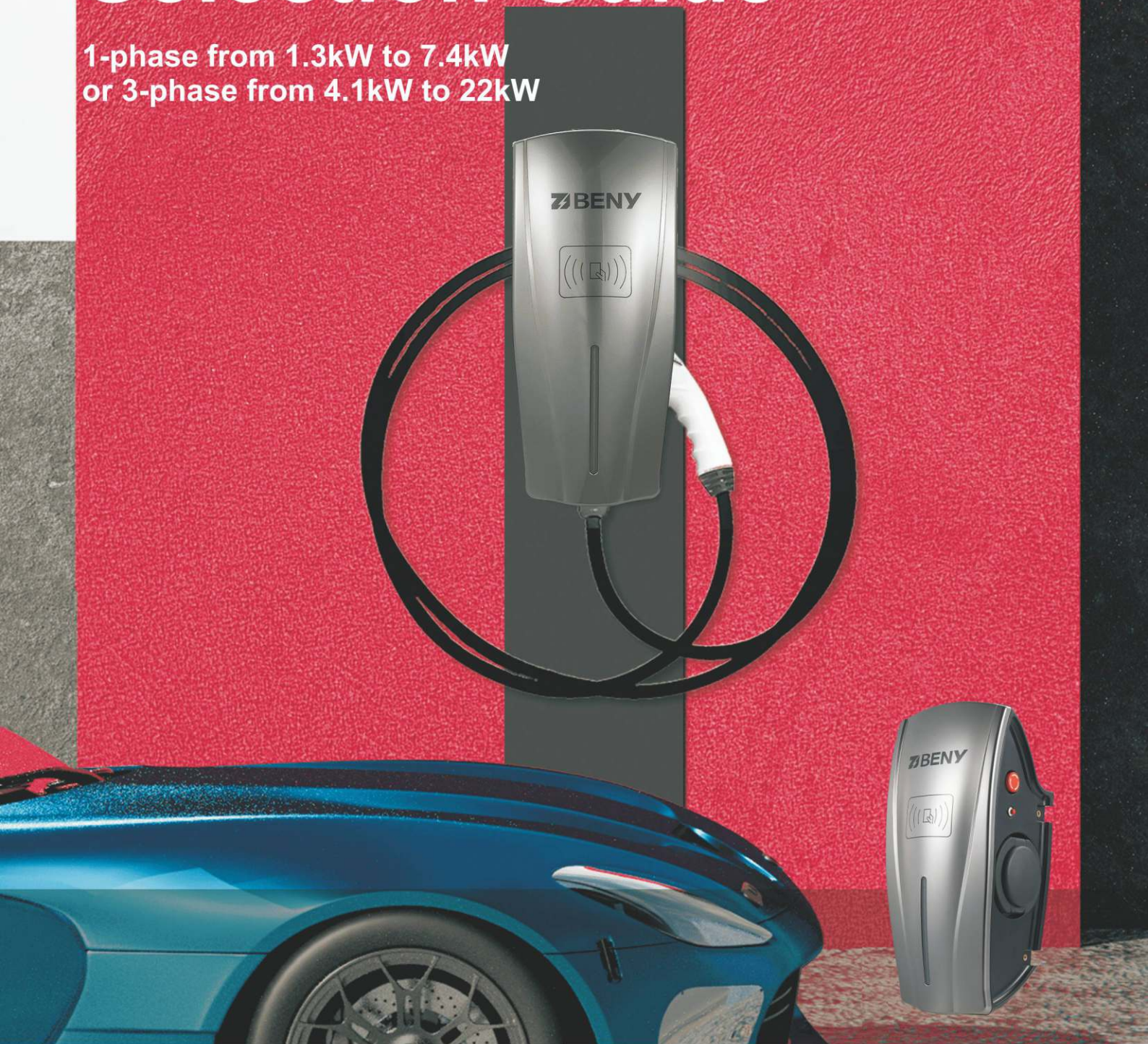


EV charger Selection Guide

1-phase from 1.3kW to 7.4kW
or 3-phase from 4.1kW to 22kW





BCP Series EV chargers have an IP65 patented designcase 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 OCPP1.6J is optional.

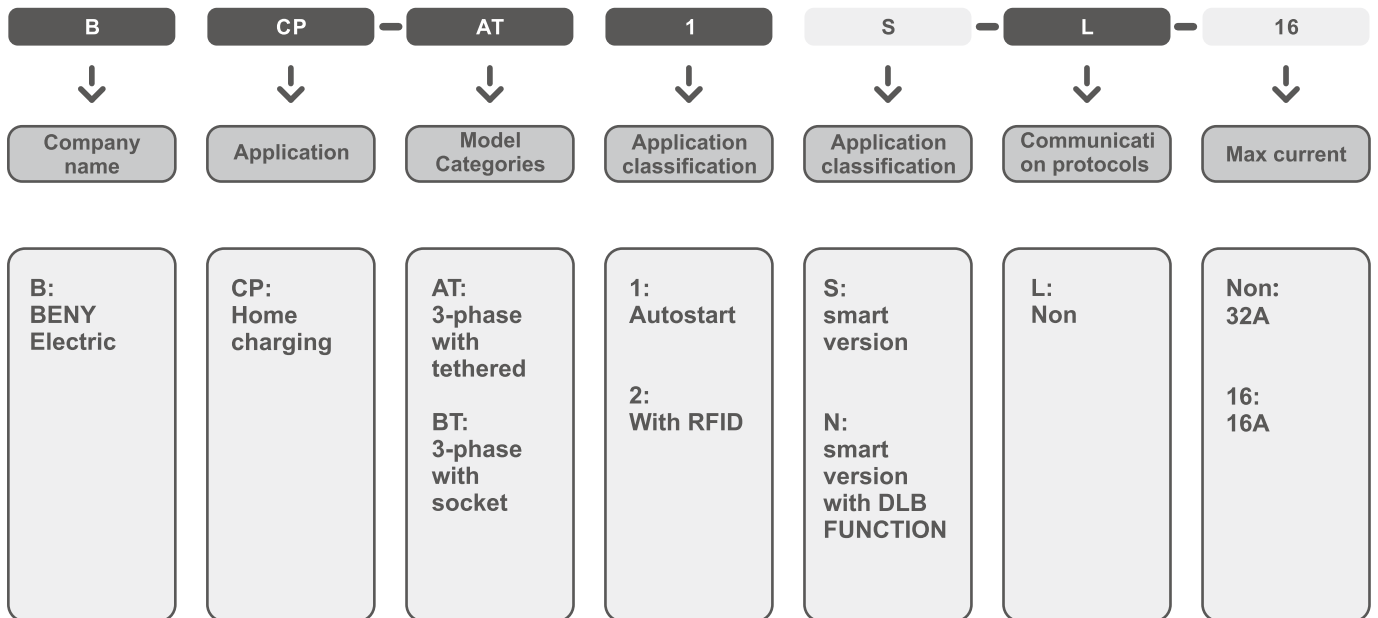


Model Number

EV charger Selection Guide

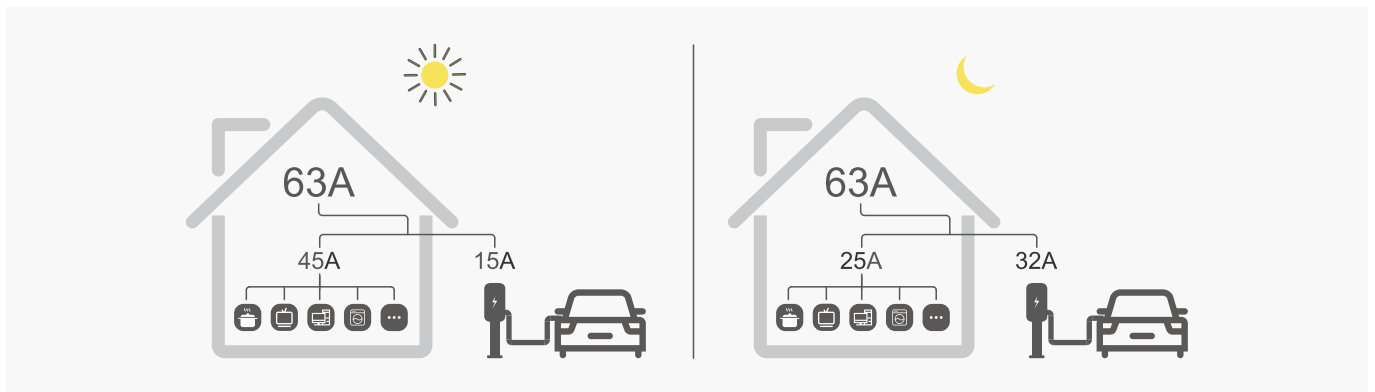


The EV Charger Model



Functions Explain

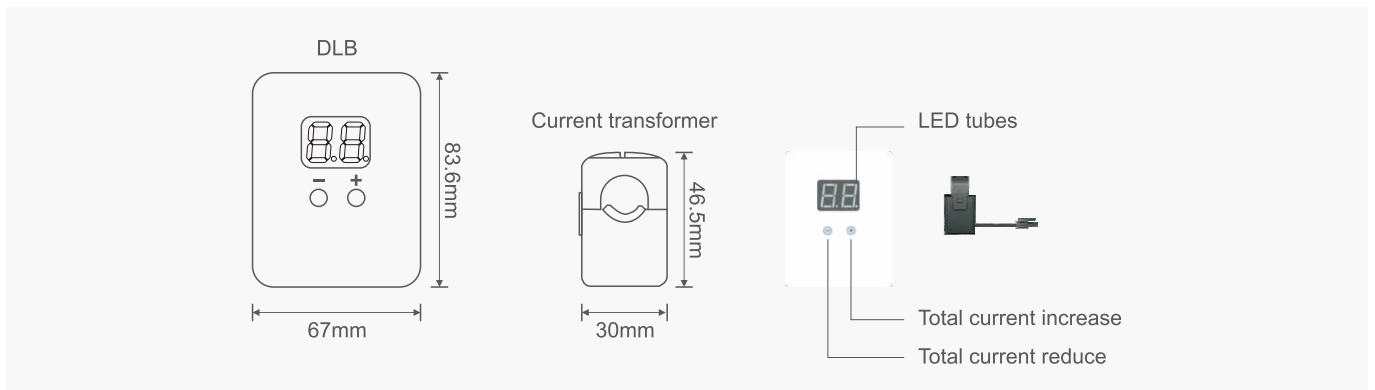
EV charger Selection Guide



✔ **Dynamic Load Balancing**

DLB (Dynamic Load Balancing) is available in the BCP series AC EV Charger for home use, when the EV charger is working with other household appliances at the same time, the DLB box can maintain the dynamic balance of the total household current and ensure the safety of electricity to avoid home over load.

Set the Max current value of the main line on the DLB box. The charger will read this current value and automatically adjust the charging current (6A-32A) according to the idle load quota, so that the total household current will not be overloaded due to charging. This function can effectively use the power supply without providing additional power for the charging or home line update.



✔ **RFID(Radio Frequency Identification Card)**

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



Specifications

EV charger Selection Guide



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 |
| Connector options | Fixed cable type 2 plug or type 2 Socket |
| Fixed cable length | 6m (18 ft) |
| Cable Entry | Rear or bottom |



Protection and certification

| | |
|-----------------------|---|
| Build-in RCD | TYPE A + DC6mA leakage sensor built-in |
| With cable | IP65,IK07 |
| Socket | IP55,IK07 |
| Housing fire ratings | V0 |
| Operating temperature | -25~+55°C |
| Compliance | IEC61851-1,IEC61851-21-2,IEC61000-4 CE EMC EU/2014.CE Low Voltage EU/2014/35 |
| Certificate | CE, UKCA, RCM |



Connectivity



| | |
|--------------------|--|
| Authorization | Auto-start standard / RFID card option |
| Status indication | LED ring |
| WLAN communication | Wi-Fi / Bluetooth 4.2 option |
| Charging protocol | OCPP1.6J optional |



Mechanical

| | |
|-----------|-----------------------|
| Housing | Polycarbonate |
| Dimension | W169 x H380 x D151 mm |
| Mounting | Wall or Pole |

Models Specification and Selection

| Wallbox Models | BCP-A2N-L | BCP-AT2N-L |
|---|---|---|
| |  |  |
| Categorization | Smart | Smart |
| Maximum Power | 7.4kW | 22kW |
| Input Voltage /Output voltage | AC230 1-Phase | AC400 3-Phase |
| Input frequency | 50/60Hz | 50/60Hz |
| Tethered/Socket | Tethered | Tethered |
| RFID | √ | √ |
| Meter | Metering Chip | Metering Chip |
| Display | LED Lights | LED Lights |
| DLB | √ | √ |
| Wi-Fi | √ | √ |
| APP | √ | √ |
| Leakage Protection | Type A+ DC6mA | Type A+ DC6mA |
| 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 | IP65 |
| Environment temperature | -25°C ~ +55°C | -25°C ~ +55°C |
| Maximum altitude | <2000m | <2000m |

(√) Standard (○) Optional (X) Without



ZHEJIANG BENYI ELECTRICAL CO., LTD.

Address: Wenzhou Bridge Industrial Zone, Beibaixiang,
Yueqing, Zhejiang 325603, China

TEL: +86-577-5717 7008

Email: benyi@zjbeny.com

Website: www.beny.com

For the latest version of specification, please refer to www.beny.com or contact to benyi@zjbeny.com
We reserve the right to explain the terms of specification.

