



BENY

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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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 a pedestal.



Logo

RFID

Type 2 Socket

LED Light

Emergency
Button Switch

Function
Test Button

Order Your Style



Product Advantages



Wall-Mounted



IP55/65 Rating



RFID



DLB



Full Protection

WWW.EVB.COM

Unsmart AC EV Charger

Electrical

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

Protection and certification

Build-in RCD	DC6mA Leakage Sensor Built-in
Protection Degree	IP65 (Socket IP55), 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

Mechanical

Housing	Plastic
Dimension	W169 x H380 x D151/201 mm
Mounting	Wall or Pole

NFC

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

Model Selection

Unsmart AC EV Charger	BCP-A2D-L	BCP-B2D-L	BCP-A2D-L-E	BCP-B2D-L-E
				
Categorization	Unsmart AC EV Charger			
Maximum Power	7.4kW			
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	✓	✓	✓	✓
Over Current Protection	✓	✓	✓	✓
CP Signal Short Circuit Protection	✓	✓	✓	✓
Over Temperature Protection	✓	✓	✓	✓
Lightning Protection	✓	✓	✓	✓
Contactor Adhesion Protection	✓	✓	✓	✓
Protection Degree	IP65	IP55	IP65	IP55
Environment Temperature	-25°C~+55°C			
Storage temperature	-40°C~+85°C			

Model Selection

Maximum Altitude	<2000m			
Input Current	32A			
Socket Type	/	Type 2	/	Type 2
Maximum Output Current	32A			
Efficiency	about 100%			
Working humidity	95% non-condensing			
Cable length	5M	/	5M	/
Gross Weight	7KG	5KG	7KG	5KG
Standards	IEC61851-1,IEC61851-21-2			
Starting	Auto-start standard / RFID card			

✔ : Standard ○ : Optional ✖ : Without

Unsmart AC EV Charger	BCP-A2D-L-16	BCP-B2D-L-16	BCP-A2D-L-E-16	BCP-B2D-L-E-16
				
Categorization	Unsmart AC EV Charger			
Maximum Power	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	✔	✔	✔	✔
Over Current Protection	✔	✔	✔	✔
CP Signal Short Circuit Protection	✔	✔	✔	✔
Over Temperature Protection	✔	✔	✔	✔
Lightning Protection	✔	✔	✔	✔
Contactor Adhesion Protection	✔	✔	✔	✔
Protection Degree	IP65	IP55	IP65	IP55
Environment Temperature	-25°C~+55°C			
Storage temperature	-40°C~+85°C			

Maximum Altitude		<2000m		
Input Current		16A		
Socket Type	/	Type 2	/	Type 2
Maximum Output Current		16A		
Efficiency		about 100%		
Working humidity		95% non-condensing		
Cable length	5m	/	5m	/
Gross Weight	5.5KG	4KG	5.5KG	4KG
Standards		IEC61851-1,IEC61851-21-2		
Starting		Auto-start standard / RFID card		

✔ : Standard ○ : Optional ✖ : Without