

DC EV Charging Solutions





ZHEJIANG
BENYI ELECTRICAL
CO.,LTD.

Company Introduction

BENY Electric offers a reliable and robust electric fast charger with an attractive design that is easy to own and operate, with high quality power electronic components. It is a powerful charging station that can deliver up to 240 kW, with CCS2 charging outlets.

We are a leading brand in annually producing hundreds of thousands of quality DC protection products and EV charging stations for complete and reliable solar photovoltaic, battery energy storage, and EV charging system. Certified by UL, SAA, CB, CE, TUV, UKCA, ISO, and RoHS, we have the first listed patented DC switch and produce creative solutions like the AFCI solution for rooftop fire protection, dynamic load balancing, and PEN fault detection EV charger.



Overall Solution
Provider of EV
Charging Station



R&D Manufacturer
of EV Charger
and Charging Module



Achieve higher profits
for 700+ charging
operators



Pioneer of Energy
Storage Industry



International
communication
protocol



The total annual charging
capacity have reached
160,000,000 + kW · h

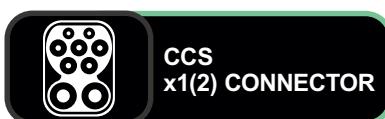


Product Features

- CCS2 charging outlet(s)
- 20-240kW DC rapid charging output
- RFID, App, VIN for user authentication
- 150-1000Vdc output voltage range
- OCPP 1.6J compliant
- LCD screen/LED light
- Emergency stop button
- 5m charger cable,cable length can be customized
- IEC/EN 61851, IEC/EN 62196、ISO-15118、DIN 70121
- IP55 protection
- Air cooling/Liquid cooling
- Under and over voltage protection,Over current protection,Leakage protection,Surge protection and so on



**RAPID
CHARGING**



**CCS
x1(2) CONNECTOR**



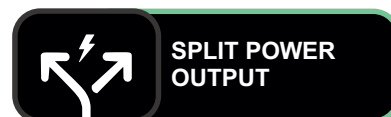
**DUAL
CHARGING**



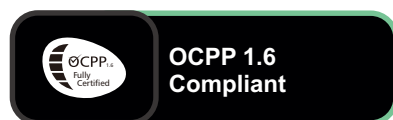
**1 YEAR
WARRANTY**



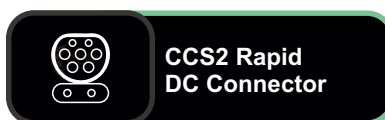
**COMMERCIAL
CHARGING**



**SPLIT POWER
OUTPUT**



**OCPP 1.6
Compliant**



**CCS2 Rapid
DC Connector**



IP Rated

Specifications

Models	BBDC-20		BBDC-30		BBDC-40	
						
Structure Description						
Shell material	Carbon Steel					
Dimension	450*250*850(L*W*T)					
Weight	≤65kG					
Installation Method	Wall-mounted					
Cable routing	Bottom inlet wiring,up outlet wiring					
Cable length	5 M					
Charging outlets	Single (CCS2)					
Connectivity authorization	RFID, App					
Screen	9.1inch LCD screen/LED light					
Electrical Specification						
AC input voltage	AC380V±15% ,3P+N+PEAC					
input frequency	50Hz/60Hz					
Consumption	≤2W					
Rated power	20KW	30KW		40KW		
Output voltage range	CCS1/2: 150 Vdc –1000 Vdc					
Output current	0~66.7A	0~100A		0~133A		
Efficiency	≥94%					
Power factor	≥0.99(load:100%)					
Functionate design						
User Interface	Emergency stop button,LED indicator,card swiping,touch screen					
Charging stands	IEC61851-1:2011, IEC61851-23:201 EN61851-1:2011; EN61851-23:2014,IEC61851-21-2:2018; EN61000-6-2:2005; EN61000-6-4:2007+A1					
Communion						
OCPP	OCPP 1.6					
Network interface	Ethernet/4G					
Environment condition						
Application place	Indoor/Outdoor					
Working latitude	<2000m					
Working temperature	-30~+55					
Working humidity	5%~95%					
Protection level	IP55					
Natural cooling	Forced-air cooling					
Warranty	12 months warranty					
Security design	Over/under voltage protection,overlord protection,current leakage protection, grounding protection,over temp protection,lightening surge protection					

Specifications

Models	BDC-30-240		BDC-30-240		BDC-30-240	
						
Structure Description						
Shell material	Carbon Steel					
Dimension	800*800*2000(L*W*T)					
Weight	≤350kG					
Installation Method	Floor-stand type					
Cable routing	Bottom inlet wiring,up outlet wiring					
Cable length	5 M					
Charging outlets	Single (CCS1)		Single (CCS2)		Single (CHADEMO)	
Connectivity authorization	RFID, App					
Screen	9.1inch LCD screen/LED light					
Electrical Specification						
AC input voltage	AC380V±15% ,3P+N+PEAC					
input frequency	50Hz/60Hz					
Consumption	≤2W					
Rated power	30kW / 60kW / 90kW / 120kW / 150kW / 180kW / 240kW					
Output voltage range	CCS1: 150 Vdc –1000 Vdc		CCS2: 150 Vdc –1000 Vdc		CHADEMO: 150 Vdc –500 Vdc	
Output current	0~250A		0~250A		0~133A	
Efficiency	≥94%					
Power factor	≥0.99(load:100%)					
Functionate design						
User Interface	Emergency stop button,LED indicator,card swiping,touch screen					
Charging stands	IEC61851-1:2011, IEC61851-23:201,EN61851-1:2011;EN61851-23:2014,IEC61851-21-2:2018;EN61000-6-2:2005;					
Communication						
OCPP	OCPP 1.6					
Network interface	Ethernet/4G					
Environment condition						
Application place	Indoor/Outdoor					
Working latitude	<2000m					
Working temperature	-30~+55					
Working humidity	5%~95%					
Protection level	IP55					
Natural cooling	Forced-air cooling					
Warranty	12 months warranty					
Security design	Over/under voltage protection,overlord protection,current leakage protection, grounding protection,over temp protection,lightening surge protection					

Specifications

Models	BDC-60-240		BDC-60-240	BDC-60-240
				
Structure Description				
Shell material	Carbon Steel			
Dimension	800*800*2000(L*W*T)			
Weight	≤350kG			
Installation Method	Floor-stand type			
Cable routing	Bottom inlet wiring,up outlet wiring			
Cable length	5 M			
Charging outlets	Double (CCS1+CCS1)	Double(CCS2+CCS2)	Double(CCS1+CCS2)	
Connectivity authorization	RFID, App			
Screen	9.1inch LCD screen/LED light			
Electrical Specification				
AC input voltage	AC380V±15% ,3P+N+PEAC			
input frequency	50Hz/60Hz			
Consumption	≤2W			
Rated power	60kW / 90kW / 120kW / 150kW / 180kW / 240kW			
Output voltage range	CCS1: 150 Vdc –1000 Vdc	CCS2: 150 Vdc –1000 Vdc	CCS1: 150 Vdc –1000 Vdc , CCS2: 150 Vdc –1000 Vdc	
Output current	CCS1:0~250A	CCS2:0~250A	CCS1: 0~250A ,CCS2: 0~250A	
Power factor	≥0.99(load:100%)			
Functionate design				
User Interface	Emergency stop button,LED indicator,card swiping,touch screen			
Charging stands	IEC61851-1:2011, IEC61851-23:201,EN61851-1:2011;EN61851-23:2014,IEC61851-21-2:2018;EN61000-6-2:2005;			
Communcion				
OCPP	OCPP 1.6			
Network interface	Ethernet/4G			
Environment condition				
Application place	Indoor/Outdoor			
Working latitude	<2000m			
Working temperature	-30~+55			
Working humidity	5%~95%			
Protection level	IP55			
Natural cooling	Forced-air cooling			
Warranty	12 months warranty			
Security design	Over/under voltage protection,overlord protection,current leakage protection, grounding protection,over temp protection,lightening surge protection			

Specifications

Models	BDC-60-240		BDC-60-240
			
Structure Description			
Shell material	Carbon Steel		
Dimension	800*800*2000(L*W*T)		
Weight	≤350kG		
Installation Method	Floor-stand type		
Cable routing	Bottom inlet wiring,up outlet wiring		
Cable length	5 M		
Charging outlets	Double (CCS1+Chademo)	Double (CCS1+Chademo)	
Connectivity authorization	RFID, App		
Screen	9.1inch LCD screen/LED light		
Electrical Specification			
AC input voltage	AC380V±15% ,3P+N+PEAC		
input frequency	50Hz/60Hz		
Consumption	≤2W		
Rated power	60kW / 90kW / 120kW / 150kW / 180kW / 240kW		
Output voltage range	CCS1: 150 Vdc –1000 Vdc , CHADEMO: 150 Vdc –500 Vdc	CCS2: 150 Vdc –1000 Vdc , CHADEMO: 150 Vdc –500 Vdc	
Output current	CCS1: 0~250A ,CHADEMO: 0~125A	CCS2: 0~250A ,CHADEMO: 0~125A	
Power factor	≥0.99(load:100%)		
Functionate design			
User Interface	Emergency stop button,LED indicator,card swiping,touch screen		
Charging stands	IEC61851-1:2011, IEC61851-23:201,EN61851-1:2011;EN61851-23:2014,IEC61851-21-2:2018;EN61000-6-2:2005;		
Communication			
OCPP	OCPP 1.6		
Network interface	Ethernet/4G		
Environment condition			
Application place	Indoor/Outdoor		
Working latitude	<2000m		
Working temperature	-30~+55		
Working humidity	5%~95%		
Protection level	IP55		
Natural cooling	Forced-air cooling		
Warranty	12 months warranty		
Security design	Over/under voltage protection,overlord protection,current leakage protection, grounding protection,over temp protection,lightening surge protection		

Specifications

Models	BADC-82~262		BADC-82~262		BADC-82~262	
						
Structure Description						
Shell material	Carbon Steel					
Dimension	800*800*2000(L*W*T)					
Weight	≤350kG					
Installation Method	Floor-stand type					
Cable routing	Bottom inlet wiring,up outlet wiring					
Cable length	5 M					
Charging outlets	Double(CCS1+CHADEMO+AC)		Double(CCS2+CHADEMO+AC)		Double(CCS2+CCS1+AC)	
Connectivity authorization	RFID, App					
Screen	9.1inch LCD screen/LED light					
Electrical Specification						
AC input voltage	AC380V±15% ,3P+N+PEAC					
input frequency	50Hz/60Hz					
Consumption	≤2W					
Rated power	82kW / 112kW / 142kW / 172kW / 202kW / 262kW					
Output voltage range	CCS1: 150 Vdc –1000 Vdc CHADEMO: 150 Vdc –500 Vdc		CCS2: 150 Vdc –1000 Vdc CHADEMO: 150 Vdc –500 Vdc		CCS2: 150 Vdc –1000 Vdc CCS1: 150 Vdc –1000 Vdc	
Output current	CCS1: 0~250A CHADEMO:0~125A AC:0-32A		CCS2: 0~250A CHADEMO:0~125A AC:0-32A		CCS2: 0~250A CCS1: 0~250A AC:0-32A	
Efficiency	≥94%					
Power factor	≥0.99(load:100%)					
Functionate design						
User Interface	Emergency stop button,LED indicator,card swiping,touch screen					
Charging stands	IEC61851-1:2011, IEC61851-23:201,EN61851-1:2011;EN61851-23:2014,IEC61851-21-2:2018;EN61000-6-2:2005;					
Communcion						
OCPP	OCPP 1.6					
Network interface	Ethernet/4G					
Environment condition						
Application place	Indoor/Outdoor					
Working latitude	<2000m					
Working temperature	-30~+55					
Working humidity	5%~95%					
Protection level	IP55					
Natural cooling	Forced-air cooling					
Warranty	12 months warranty					
Security design	Over/under voltage protection,overlord protection,current leakage protection, grounding protection,over temp protection,lightening surge protection					

Specifications

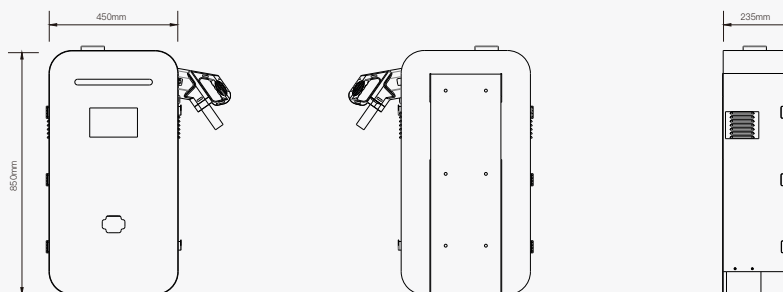
Models	BADC-82~262		BADC-82~262	BADC-52~262
				
Structure Description				
Shell material	Carbon Steel			
Dimension	800*800*2000(L*W*T)			
Weight	≤350kG			
Installation Method	Floor-stand type			
Cable routing	Bottom inlet wiring,up outlet wiring			
Cable length	5 M			
Charging outlets	Double(CCS2+CCS2+AC)	Double(CCS1+CCS1+AC)	Double(CCS1+AC)	
Connectivity authorization	RFID, App			
Screen	9.1inch LCD screen/LED light			
Electrical Specification				
AC input voltage	AC380V±15% ,3P+N+PEAC			
input frequency	50Hz/60Hz			
Consumption	≤2W			
Rated power	82kW / 112kW / 142kW / 172kW / 202kW / 262kW		52kW / 82kW / 112kW / 142kW / 172kW / 202kW / 262kW	
Output voltage range	CCS2: 150 Vdc –1000 Vdc	CCS1: 150 Vdc –1000 Vdc	CCS1: 150 Vdc –1000 Vdc	
Output current	CCS2: 0~250A AC:0-32A	CCS1: 0~250A AC:0-32A	CCS1: 0~250AAC:0-32A	
Efficiency	≥94%			
Power factor	≥0.99(load:100%)			
Functionate design				
User Interface	Emergency stop button,LED indicator,card swiping,touch screen			
Charging stands	IEC61851-1:2011, IEC61851-23:201,EN61851-1:2011;EN61851-23:2014,IEC61851-21-2:2018;EN61000-6-2:2005;			
Communcion				
OCPP	OCPP 1.6			
Network interface	Ethernet/4G			
Environment condition				
Application place	Indoor/Outdoor			
Working latitude	<2000m			
Working temperature	-30~+55			
Working humidity	5%~95%			
Protection level	IP55			
Natural cooling	Forced-air cooling			
Warranty	12 months warranty			
Security design	Over/under voltage protection,overlord protection,current leakage protection, grounding protection,over temp protection,lightening surge protection			

Specifications

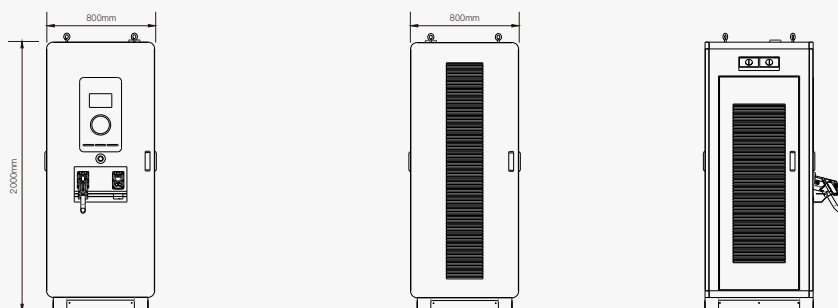
Models	BADC-52~262		BADC-52~262	
				
Structure Description				
Shell material	Carbon Steel			
Dimension	800*800*2000(L*W*T)			
Weight	≤350kG			
Installation Method	Floor-stand type			
Cable routing	Bottom inlet wiring,up outlet wiring			
Cable length	5 M			
Charging outlets	Double(CCS2+AC)	Double(CHADEMO+AC)	Double(CCS2+CCS2)	
Connectivity authorization	RFID, App			
Screen	9.1inch LCD screen/LED light			
Electrical Specification				
AC input voltage	AC380V±15% ,3P+N+PEAC			
input frequency	50Hz/60Hz			
Consumption	≤2W			
Rated power	52kW / 82kW / 112kW / 142kW / 172kW / 202kW / 262kW		60kW /90kW / 120kW / 150kW / 180kW / 240kW	
Output voltage range	CCS2: 150 Vdc –1000 Vdc	CHADEMO: 150 Vdc –500 Vdc	CCS2: 150 Vdc –1000 Vdc	
Output current	CCS1: 0~250A AC:0-32A	CHADEMO: 0~125A AC:0-32A	CCS2: 0~250A	
Efficiency	≥94%			
Power factor	≥0.99(load:100%)			
Functionate design				
User Interface	Emergency stop button,LED indicator,card swiping,touch screen			
Charging stands	IEC61851-1:2011, IEC61851-23:201,EN61851-1:2011;EN61851-23:2014,IEC61851-21-2:2018;EN61000-6-2:2005;			
Communciation				
OCPP	OCPP 1.6			
Network interface	Ethernet/4G			
Environment condition				
Application place	Indoor/Outdoor			
Working latitude	<2000m			
Working temperature	-30~+55			
Working humidity	5%~95%			
Protection level	IP55			
Natural cooling	Forced-air cooling			
Warranty	12 months warranty			
Security design	Over/under voltage protection,overlord protection,current leakage protection, grounding protection,over temp protection,lightening surge protection			

Product Size

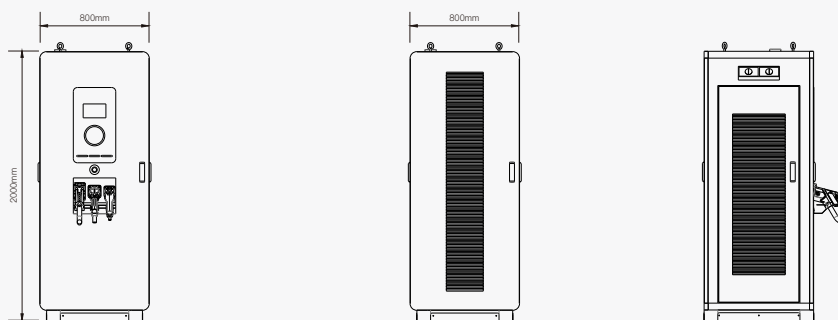
Wall-Mounted BBDC-20-40KW



Floor-Mounted BDC-30-240KW



Floor-Mounted BADC-82-262KW



Application scenarios



Highway
Service



Parking



Service
Station



Commercial
Building

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⚠️ If the models and specification in this product catalogue is changed due to the change of products, we will not inform.

