



Beny 1 Gun DC EV Charging Station (UL)

30kW -240kW



Datasheet

Zhejiang Benyi New Energy Co.,Ltd.

Shuanghuanglou Industrial Zone, Beibaixiang Yueqing,zhejiang P.R. 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

The Beny DC EV Charging Station boasts a remarkable 7-inch touch screen for effortless control. It comes with a range of certifications including UL and offers robust full protection features. With convenient app control and Ethernet/4G/WiFi connectivity, you can charge your EV with confidence and efficiency.



Product Advantages



IP55 Rating



Ethernet/4G/WiFi



Full Protection



7-inch Touch Screen



RFID



APP Control

Model Selection

DC EV Charging Station	BDC30-S-UL	BDC40-S-UL	BDC60-S-UL
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Structure Description			
Shell Material	Galvanized Sheet		
Dimension	800*800*1800(L*W*T mm)		
Packing Dimension	1050*1000*1900(L*W*H mm)		
Weight	≤450kG		
Installation Method	Floor-Stand Type		
Cable Routing	Bottom Inlet Wiring,Up Outlet Wiring		
Cable Length	5 m		
Charging Outlets	Single (CCS1/NACS)		
Connectivity Authorization	RFID, App		
Screen	7 Inch LCD Screen/LED Light		
Electrical Specification			
Powe System	IT TT TN-C-S		
AC Input Voltage	AC480V±10% ,3-phase		
Rated Input Current	40A	57A	80A
Input Frequency	50Hz/60Hz		
Wiring Method	L1 L2 L3 PE		
Consumption	≤24W		
Rated Power	30kW	40kW	60kW
Output Voltage Range	CCS1/NACS: 150Vdc~1000Vdc		
Output Current	CCS1/NACS: 0~100A	CCS1/NACS: 0~125A	CCS1/NACS: 0~200A
Efficiency	≥95%		
Power Factor	≥0.99(load:100%)		

Functionate Design	
User Interface	Emergency Stop Button,LED Indicator,Card Swiping,Touch Screen
Charging Stands	DIN70121, ISO15118, SAE J1772, FCC Part15 Subpart B, FCC Part15 Subpart C
Communciation	
OCPP	OCPP 1.6J
Network Interface	Ethernet/4G/WiFi
Environment Condition	
Application Place	Indoor/Outdoor
Working Altitude	<2000m
Working Temperature	-30°C~+50°C
Working Humidity	5%~95%
Protection Level	TYPE 3R
Natural Cooling	Forced-air Cooling
MTBF	24 Months Warranty
Security Design	Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightening Surge Protection
RF Parameters	
LTE-FDD Operating Frequency	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
LTE-TDD Operating Frequency	B38/B39/B40/B41
UMTS Operating Frequency	B1/B2/B4/B5/B6/B8/B19
MIFARE Operating Frequency	13.56MHz±7K
2.4G WI-FI Operating Frequency	2412MHz-2484MHz
2.4G WI-FI Maximum Transmit Power	20.5 dBm
WCDMA Maximum Transmit Power	24 dBm +1/-3 dB
LTE-FDD Maximum Transmit Power	23 dBm±2 dB
LTE-TDD Maximum Transmit Power	23 dBm±2 dB
MIFARE Maximum Transmit Power	14.05dBuA/m

Model Selection

DC EV Charging Station	BDC80-S-UL	BDC90-S-UL	BDC120-S-UL
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Structure Description

Shell Material	Galvanized Sheet		
Dimension	800*800*1800(L*W*T mm)		
Packing Dimension	1050*1000*1900(L*W*H mm)		
Weight	≤450kG		
Installation Method	Floor-Stand Type		
Cable Routing	Bottom Inlet Wiring,Up Outlet Wiring		
Cable Length	5 m		
Charging Outlets	Single (CCS1/NACS)		
Connectivity Authorization	RFID, App		
Screen	7 Inch LCD Screen/LED Light		

Electrical Specification

Powe System	IT TT TN-C-S		
AC Input Voltage	AC480V±10% ,3-phase		
Rated Input Current	114A	120A	160A
Input Frequency	50Hz/60Hz		
Wiring Method	L1 L2 L3 PE		
Consumption	≤24W		
Rated Power	80kW	90kW	120kW
Output Voltage Range	CCS1/NACS: 150Vdc~1000Vdc		
Output Current	CCS1/NACS: 0~200A	CCS1/NACS: 0~200A	CCS1/NACS: 0~250A
Efficiency	≥95%		
Power Factor	≥0.99(load:100%)		

Functionate Design

User Interface	Emergency Stop Button,LED Indicator,Card Swiping,Touch Screen
Charging Stands	DIN70121, ISO15118, SAE J1772, FCC Part15 Subpart B, FCC Part15 Subpart C

Communciation

OCPP	OCPP 1.6J
Network Interface	Ethernet/4G/WiFi

Environment Condition

Application Place	Indoor/Outdoor
Working Altitude	<2000m
Working Temperature	-30°C~+50°C
Working Humidity	5%~95%
Protection Level	TYPE 3R
Natural Cooling	Forced-air Cooling
MTBF	24 Months Warranty
Security Design	Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightening Surge Protection

RF Parameters

LTE-FDD Operating Frequency	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
LTE-TDD Operating Frequency	B38/B39/B40/B41
UMTS Operating Frequency	B1/B2/B4/B5/B6/B8/B19
MIFARE Operating Frequency	13.56MHz±7K
2.4G WI-FI Operating Frequency	2412MHz-2484MHz
2.4G WI-FI Maximum Transmit Power	20.5 dBm
WCDMA Maximum Transmit Power	24 dBm +1/-3 dB
LTE-FDD Maximum Transmit Power	23 dBm±2 dB
LTE-TDD Maximum Transmit Power	23 dBm±2 dB
MIFARE Maximum Transmit Power	14.05dBuA/m

Model Selection

DC EV Charging Station	BDC150-S-UL	BDC160-S-UL	BDC180-S-UL
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Structure Description	
Shell Material	Galvanized Sheet
Dimension	800*800*1800(L*W*T mm)
Packing Dimension	1050*1000*1900(L*W*H mm)
Weight	≤450kG
Installation Method	Floor-Stand Type
Cable Routing	Bottom Inlet Wiring,Up Outlet Wiring
Cable Length	5 m
Charging Outlets	Single (CCS1/NACS)
Connectivity Authorization	RFID, App
Screen	7 Inch LCD Screen/LED Light
Electrical Specification	
Powe System	IT TT TN-C-S
AC Input Voltage	AC480V±10% ,3-phase
Rated Input Current	200A 228A 241A
Input Frequency	50Hz/60Hz
Wiring Method	L1 L2 L3 PE
Consumption	≤24W
Rated Power	150kW 160kW 180kW
Output Voltage Range	CCS1/NACS: 150Vdc~1000Vdc
Output Current	CCS1/NACS: 0~250A
Efficiency	≥95%
Power Factor	≥0.99(load:100%)

Functionate Design	
User Interface	Emergency Stop Button,LED Indicator,Card Swiping,Touch Screen
Charging Stands	DIN70121, ISO15118, SAE J1772, FCC Part15 Subpart B, FCC Part15 Subpart C
Communciation	
OCPP	OCPP 1.6J
Network Interface	Ethernet/4G/WiFi
Environment Condition	
Application Place	Indoor/Outdoor
Working Altitude	<2000m
Working Temperature	-30°C~+50°C
Working Humidity	5%~95%
Protection Level	TYPE 3R
Natural Cooling	Forced-air Cooling
MTBF	24 Months Warranty
Security Design	Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightening Surge Protection
RF Parameters	
LTE-FDD Operating Frequency	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
LTE-TDD Operating Frequency	B38/B39/B40/B41
UMTS Operating Frequency	B1/B2/B4/B5/B6/B8/B19
MIFARE Operating Frequency	13.56MHz±7K
2.4G WI-FI Operating Frequency	2412MHz-2484MHz
2.4G WI-FI Maximum Transmit Power	20.5 dBm
WCDMA Maximum Transmit Power	24 dBm +1/-3 dB
LTE-FDD Maximum Transmit Power	23 dBm±2 dB
LTE-TDD Maximum Transmit Power	23 dBm±2 dB
MIFARE Maximum Transmit Power	14.05dBuA/m

Model Selection

DC EV Charging Station	BDC210-S-UL	BDC240-S-UL
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Structure Description	
Shell Material	Galvanized Sheet
Dimension	800*800*1800(L*W*T mm)
Packing Dimension	1050*1000*1900(L*W*H mm)
Weight	≤450kG
Installation Method	Floor-Stand Type
Cable Routing	Bottom Inlet Wiring,Up Outlet Wiring
Cable Length	5 m
Charging Outlets	Single (CCS1/NACS)
Connectivity Authorization	RFID, App
Screen	7 Inch LCD Screen/LED Light
Electrical Specification	
Powe System	IT TT TN-C-S
AC Input Voltage	AC480V±10% ,3-phase
Rated Input Current	281A 321A
Input Frequency	50Hz/60Hz
Wiring Method	L1 L2 L3 PE
Consumption	≤24W
Rated Power	210kW 240kW
Output Voltage Range	CCS1/NACS: 150Vdc~1000Vdc
Output Current	CCS1/NACS: 0~250A
Efficiency	≥95%
Power Factor	≥0.99(load:100%)

Functionate Design	
User Interface	Emergency Stop Button,LED Indicator,Card Swiping,Touch Screen
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2.4G WI-FI Maximum Transmit Power	20.5 dBm
WCDMA Maximum Transmit Power	24 dBm +1/-3 dB
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LTE-TDD Maximum Transmit Power	23 dBm±2 dB
MIFARE Maximum Transmit Power	14.05dBuA/m