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Beny 2 Guns DC EV Battery-integrated Charging Station

160kW/193kWh

Datasheet

WWW.EVB.COM

BENY

Product Overview

The Beny 2 Guns DC EV Battery-integrated Charging Station boasts a remarkable 21.5-inch touch screen for effortless control. It offers robust full protection features. With convenient app control and Ethernet/4G/WiFi connectivity, you can charge your EV with confidence and efficiency.Integrated with a 193kWh high-capacity battery, allowing you to charge electric vehicles in an environment without electricity

Product Advantages

- IP55 Rating
- Ethernet/4G/WiFi
- Full Protection
- OCPP 1.6J
- 21.5-inch Touch Screen
- RFID
- APP Control

Model Selection

DC EV Charging Station	BDCS160193-D

Structure Description			
Shell Material	Galvanized Sheet		
Dimension	960*1350*2550(L*W*H mm)		
Packing Dimension	1150*1500*2450(Case)	1150*1500*550(Liquid unit)	(L*W*H mm)
Weight	2000kG		
Installation Method	Floor-stand Type		
Gun holder	With LED light		
Total length of gun cable	5 m		
Charging Outlets	Double(CCS1+CCS1) Double (CCS1+CHADEMO) Double(CCS2+GBT) Double(CHADEMO+CHADEMO) Double(CCS2+CCS2)	Double (CCS2+CHADEMO) Double(CHADEMO+GBT) Double(CCS1+CCS2) Double(CCS1+GBT) Double(GBT+GBT)	Double (CCS1+NACS) Double(CCS2+NACS) Double(GBT+NACS) Double(CHADEMO+NACS) Double(NACS+NACS)
Connectivity Authorization	RFID, App		
Screen	21.5 Inch LCD Screen		

Electrical Specification	
AC Input Voltage	AC380V-415V,3P+N+PE
Rated Input Power/Current	90kW/152A
Input Frequency	50Hz/60Hz
Consumption	≤24W
Rated Output Power	160kW(80kW Grid+80kW Battery)
Output Voltage Range	CCS1/CCS2/GBT: 150Vdc –1000Vdc;CHADEMO: 150Vdc –500Vdc
Output Current	CCS1/CCS2:0~250A; GBT/NACS:0~250A; CHADEMO:0~150A
Efficiency	Battery System:≥92%; Charging System:≥96%
Power Factor	≥0.98(50%-100% rated power)

Battery System	
Battery Rated Capacity	193kWh
Battery Rated Voltage	614.4V
System Rated Charge/Discharge Power	80kW
Cycle Life	⩾8000 cycles (at 25°C, 0.5C, 80% Depth of Discharge)
Operating Modes	Grid-Tied / Off-Grid
Fire Protection	Aerosol
Battery types	LFP
Battery Standards	IEC 62619, IEC/EN 61000-6-1/3 UN38.3

Cooling System	
Charging Gun	Forced-Air Coooling
Battery	Liquid Cooling
Power Module	Liquid Cooling

Functionate Design	
User Interface	Emergency Stop Button,LED Indicator,Card Swiping,Touch Screen
Charging Stands	EN IEC 61851-1: 2019, IEC 61851-1: 2017, EN 61851-23: 2014, IEC 61851-23: 2014, EN 61851-24: 2014, IEC 61851-24: 2014, EN IEC 61000-6-2: 2019, EN IEC 61000-6-4:2019, EN IEC 61851-21-2: 2021

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

Environment Condition	
Application Place	Indoor/Outdoor
Working Altitude	<2000m
Environment Temperature	-29°C~+50°C
Working Humidity	0%~95%(No condensation)
Protection Level	IP55 IK10(Screen IK08)
Security Design	Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightening Surge Protection,Fire Protection
Noise	<60dB

Model Selection

DC EV Charging Station	BDCS160193-D

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

Installation Requirements

1. The installation environment should be dry, well-ventilated, free from corrosive substances, free from electromagnetic interference, and with a temperature between -29°C and 50°C.
2. The equipment should be placed on a stable surface and should maintain a certain distance from surrounding objects for heat dissipation.
3. The equipment should have reliable grounding and comply with relevant safety standards.
4. Follow the steps in the product manual or installation manual for installation and wiring.

Maintenance And Care

1. Regularly inspect the operating status of the equipment and perform necessary maintenance, including checking the tightness of terminal connections, the condition of cable equipment connections, and insulation performance.The equipment should be placed on a stable surface and should maintain a certain distance from surrounding objects for heat dissipation.
2. The battery components should be replaced regularly to ensure the normal operation of the equipment.
3. Periodically clean and maintain exhaust vents, such as air conditioning, ensuring cleaning fluids do not enter the equipment.

After-sale Service

1. We provide comprehensive after-sales service, including equipment installation, commissioning, and maintenance.The battery components should be replaced regularly to ensure the normal operation of the equipment.
2. During the equipment warranty period, we will provide free repairs or replacements. After the warranty period, we offer paid repair and maintenance services.
3. After equipment installation, we provide free safety inspections and safety training.

Precautions

1. Before installing the equipment, place it in a dry and well-ventilated environment, avoiding prolonged exposure to humid conditions.
2. Do not place flammable or explosive materials on the equipment.
3. Prohibit illegal operations and modifications on the equipment. If parameter changes are required, please contact the manufacturer or dealer.