



# Beny 1 Gun DC EV Charging Station

30kW -240kW



Datasheet

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# Product Overview

The Beny DC EV Charging Station boasts a remarkable 21-inch touch screen for effortless control. It comes with a range of certifications including CE, RCM, UKCA, TUV, and RoHS, 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



OCPP 1.6J



7-inch  
Touch Screen



RFID



APP Control

# Model Selection

| DC EV Charging Station     | BDC30-S                                                                           | BDC40-S                                                                           | BDC60-S                                                                             |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                            |  |  |  |
| Structure Description      |                                                                                   |                                                                                   |                                                                                     |
| Shell Material             | Galvanized Sheet                                                                  |                                                                                   |                                                                                     |
| Dimension                  | 800*800*1800(L*W*H mm)                                                            |                                                                                   |                                                                                     |
| Packing Dimension          | 1050*1100*2035(L*W*H mm)                                                          |                                                                                   |                                                                                     |
| Weight                     | ≤280kG                                                                            | ≤290kG                                                                            | ≤310kG                                                                              |
| Installation Method        | Floor-Stand Type                                                                  |                                                                                   |                                                                                     |
| Cable Routing              | Bottom Inlet Wiring,Up Outlet Wiring                                              |                                                                                   |                                                                                     |
| Total length of gun cable  | 5 m                                                                               |                                                                                   |                                                                                     |
| Charging Outlets           | Single (CCS1/CCS2/GBT/CHADEMO/NACS)                                               |                                                                                   |                                                                                     |
| Connectivity Authorization | RFID, App                                                                         |                                                                                   |                                                                                     |
| Screen                     | 21 Inch LCD Screen/LED Light                                                      |                                                                                   |                                                                                     |
| Electrical Specification   |                                                                                   |                                                                                   |                                                                                     |
| AC Input Voltage           | AC380V-415V, 3P+N+PE                                                              |                                                                                   |                                                                                     |
| Rated Input Current        | 51A                                                                               | 68A                                                                               | 102A                                                                                |
| Input Frequency            | 50Hz/60Hz                                                                         |                                                                                   |                                                                                     |
| Consumption                | ≤24W                                                                              |                                                                                   |                                                                                     |
| Rated Power                | 30kW                                                                              | 40kW                                                                              | 60kW                                                                                |
| Output Voltage Range       | CCS1/CCS2/GBT/NACS: 150Vdc~1000Vdc; CHADEMO: 150Vdc ~ 500Vdc                      |                                                                                   |                                                                                     |
| Output Current             | CCS1/CCS2/GBT/NACS: 0~100A<br>CHADEMO: 0~100A                                     | CCS1/GBT/NACS: 0~133A<br>CCS2: 0~133A<br>CHADEMO: 0~133A                          | CCS1/CCS2: 0~200A<br>GBT/NACS: 0~200A<br>CHADEMO: 0~150A                            |
| Efficiency                 | ≥95%                                                                              |                                                                                   |                                                                                     |
| Power Factor               | ≥0.99(load:100%)                                                                  |                                                                                   |                                                                                     |

|                                        |                                                                                                                                                                                               |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <strong>Functionate Design</strong>    |                                                                                                                                                                                               |
| 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 |
| <strong>Communication</strong>         |                                                                                                                                                                                               |
| OCPP                                   | OCPP 1.6J                                                                                                                                                                                     |
| Network Interface                      | Ethernet/4G/WiFi                                                                                                                                                                              |
| <strong>RF Parameters</strong>         |                                                                                                                                                                                               |
| 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                                                                                                                                                                                   |
| <strong>Environment Condition</strong> |                                                                                                                                                                                               |
| Application Place                      | Indoor/Outdoor                                                                                                                                                                                |
| Working Altitude                       | <2000m                                                                                                                                                                                        |
| Storage Temperature                    | -30°C~+85°C                                                                                                                                                                                   |
| Working Temperature                    | -30°C~+50°C                                                                                                                                                                                   |
| Working Humidity                       | 5%~95%                                                                                                                                                                                        |
| Protection Level                       | IP55    IK10( Screen IK08 )                                                                                                                                                                   |
| Natural Cooling                        | Forced-air Cooling                                                                                                                                                                            |
| Security Design                        | Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightening Surge Protection                                       |

# Model Selection

| DC EV Charging Station     | BDC80-S                                                                           | BDC90-S                                                                           | BDC120-S                                                                            |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                            |  |  |  |
| Structure Description      |                                                                                   |                                                                                   |                                                                                     |
| Shell Material             | Galvanized Sheet                                                                  |                                                                                   |                                                                                     |
| Dimension                  | 800*800*1800(L*W*H mm)                                                            |                                                                                   |                                                                                     |
| Packing Dimension          | 1050*1100*2035(L*W*H mm)                                                          |                                                                                   |                                                                                     |
| Weight                     | ≤330kG                                                                            | ≤330kG                                                                            | ≤350kG                                                                              |
| Installation Method        | Floor-Stand Type                                                                  |                                                                                   |                                                                                     |
| Cable Routing              | Bottom Inlet Wiring,Up Outlet Wiring                                              |                                                                                   |                                                                                     |
| Total length of gun cable  | 5 m                                                                               |                                                                                   |                                                                                     |
| Charging Outlets           | Single (CCS1/CCS2/GBT/CHADEMO/NACS)                                               |                                                                                   |                                                                                     |
| Connectivity Authorization | RFID, App                                                                         |                                                                                   |                                                                                     |
| Screen                     | 21 Inch LCD Screen/LED Light                                                      |                                                                                   |                                                                                     |
| Electrical Specification   |                                                                                   |                                                                                   |                                                                                     |
| AC Input Voltage           | AC380V-415V, 3P+N+PE                                                              |                                                                                   |                                                                                     |
| Rated Input Current        | 135A                                                                              | 152A                                                                              | 203A                                                                                |
| Input Frequency            | 50Hz/60Hz                                                                         |                                                                                   |                                                                                     |
| Consumption                | ≤24W                                                                              |                                                                                   |                                                                                     |
| Rated Power                | 80kW                                                                              | 90kW                                                                              | 120kW                                                                               |
| Output Voltage Range       | CCS1/CCS2/GBT/NACS: 150Vdc ~ 1000Vdc; CHADEMO: 150Vdc ~ 500Vdc                    |                                                                                   |                                                                                     |
| Output Current             | CCS1/CCS2/GBT/NACS: 0~250A; CHADEMO: 0~150A                                       |                                                                                   |                                                                                     |
| Efficiency                 | ≥95%                                                                              |                                                                                   |                                                                                     |
| Power Factor               | ≥0.99(load:100%)                                                                  |                                                                                   |                                                                                     |

|                                      |                                                                                                                                                                                               |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Functionate Design</b>            |                                                                                                                                                                                               |
| 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 |
| <b>Communication</b>                 |                                                                                                                                                                                               |
| OCPP                                 | OCPP 1.6J                                                                                                                                                                                     |
| Network Interface                    | Ethernet/4G/WiFi                                                                                                                                                                              |
| <b>RF Parameters</b>                 |                                                                                                                                                                                               |
| 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                                                                                                                                                                                   |
| <b>Environment Condition</b>         |                                                                                                                                                                                               |
| Application Place                    | Indoor/Outdoor                                                                                                                                                                                |
| Working Altitude                     | <2000m                                                                                                                                                                                        |
| Storage Temperature                  | -30°C~+85°C                                                                                                                                                                                   |
| Working Temperature                  | -30°C~+50°C                                                                                                                                                                                   |
| Working Humidity                     | 5%~95%                                                                                                                                                                                        |
| Protection Level                     | IP55    IK10( Screen IK08 )                                                                                                                                                                   |
| Natural Cooling                      | Forced-air Cooling                                                                                                                                                                            |
| Security Design                      | Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightening Surge Protection                                       |

# Model Selection

| DC EV Charging Station                                                             |  | BDC150-S                                                       | BDC160-S | BDC180-S |
|------------------------------------------------------------------------------------|--|----------------------------------------------------------------|----------|----------|
|  |  |                                                                |          |          |
| Structure Description                                                              |  |                                                                |          |          |
| Shell Material                                                                     |  | Galvanized Sheet                                               |          |          |
| Dimension                                                                          |  | 800*800*1800(L*W*H mm)                                         |          |          |
| Packing Dimension                                                                  |  | 1050*1100*2035(L*W*H mm)                                       |          |          |
| Weight                                                                             |  | ≤370kG                                                         | ≤370kG   | ≤390kG   |
| Installation Method                                                                |  | Floor-Stand Type                                               |          |          |
| Cable Routing                                                                      |  | Bottom Inlet Wiring,Up Outlet Wiring                           |          |          |
| Total length of gun cable                                                          |  | 5 m                                                            |          |          |
| Charging Outlets                                                                   |  | Single (CCS1/CCS2/GBT/CHADEMO/NACS)                            |          |          |
| Connectivity Authorization                                                         |  | RFID, App                                                      |          |          |
| Screen                                                                             |  | 21 Inch LCD Screen/LED Light                                   |          |          |
| Electrical Specification                                                           |  |                                                                |          |          |
| AC Input Voltage                                                                   |  | AC380V-415V, 3P+N+PE                                           |          |          |
| Rated Input Current                                                                |  | 254A                                                           | 270A     | 304A     |
| Input Frequency                                                                    |  | 50Hz/60Hz                                                      |          |          |
| Consumption                                                                        |  | ≤24W                                                           |          |          |
| Rated Power                                                                        |  | 150kW                                                          | 160kW    | 180kW    |
| Output Voltage Range                                                               |  | CCS1/CCS2/GBT/NACS: 150Vdc ~ 1000Vdc; CHADEMO: 150Vdc ~ 500Vdc |          |          |
| Output Current                                                                     |  | CCS1/CCS2/GBT/NACS: 0~250A; CHADEMO: 0~150A                    |          |          |
| Efficiency                                                                         |  | ≥95%                                                           |          |          |
| Power Factor                                                                       |  | ≥0.99(load:100%)                                               |          |          |

|                                      |                                                                                                                                                                                               |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Functionate Design</b>            |                                                                                                                                                                                               |
| 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 |
| <b>Communication</b>                 |                                                                                                                                                                                               |
| OCPP                                 | OCPP 1.6J                                                                                                                                                                                     |
| Network Interface                    | Ethernet/4G/WiFi                                                                                                                                                                              |
| <b>RF Parameters</b>                 |                                                                                                                                                                                               |
| 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                                                                                                                                                                                   |
| <b>Environment Condition</b>         |                                                                                                                                                                                               |
| Application Place                    | Indoor/Outdoor                                                                                                                                                                                |
| Working Altitude                     | <2000m                                                                                                                                                                                        |
| Storage Temperature                  | -30°C~+85°C                                                                                                                                                                                   |
| Working Temperature                  | -30°C~+50°C                                                                                                                                                                                   |
| Working Humidity                     | 5%~95%                                                                                                                                                                                        |
| Protection Level                     | IP55    IK10( Screen IK08 )                                                                                                                                                                   |
| Natural Cooling                      | Forced-air Cooling                                                                                                                                                                            |
| Security Design                      | Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightening Surge Protection                                       |

# Model Selection

| DC EV Charging Station     | BDC210-S                                                                          |  | BDC240-S                                                                            |
|----------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
|                            |  |  |  |
| Structure Description      |                                                                                   |  |                                                                                     |
| Shell Material             | Galvanized Sheet                                                                  |  |                                                                                     |
| Dimension                  | 800*800*1800(L*W*H mm)                                                            |  |                                                                                     |
| Packing Dimension          | 1050*1100*2035(L*W*H mm)                                                          |  |                                                                                     |
| Weight                     | ≤410kG                                                                            |  | ≤430kG                                                                              |
| Installation Method        | Floor-Stand Type                                                                  |  |                                                                                     |
| Cable Routing              | Bottom Inlet Wiring,Up Outlet Wiring                                              |  |                                                                                     |
| Total length of gun cable  | 5 m                                                                               |  |                                                                                     |
| Charging Outlets           | Single (CCS1/CCS2/GBT/CHADEMO/NACS)                                               |  |                                                                                     |
| Connectivity Authorization | RFID, App                                                                         |  |                                                                                     |
| Screen                     | 21 Inch LCD Screen/LED Light                                                      |  |                                                                                     |
| Electrical Specification   |                                                                                   |  |                                                                                     |
| AC Input Voltage           | AC380V-415V, 3P+N+PE                                                              |  |                                                                                     |
| Rated Input Current        | 355A                                                                              |  | 406A                                                                                |
| Input Frequency            | 50Hz/60Hz                                                                         |  |                                                                                     |
| Consumption                | ≤24W                                                                              |  |                                                                                     |
| Rated Power                | 210kW                                                                             |  | 240kW                                                                               |
| Output Voltage Range       | CCS1/CCS2/GBT/NACS: 150Vdc ~ 1000Vdc; CHADEMO: 150Vdc ~ 500Vdc                    |  |                                                                                     |
| Output Current             | CCS1/CCS2/GBT/NACS: 0~250A; CHADEMO: 0~150A                                       |  |                                                                                     |
| Efficiency                 | ≥95%                                                                              |  |                                                                                     |
| Power Factor               | ≥0.99(load:100%)                                                                  |  |                                                                                     |

|                                      |                                                                                                                                                                                               |  |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 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                                                                                                                                                                              |  |
| 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                                                                                                                                                                                   |  |
| Environment Condition                |                                                                                                                                                                                               |  |
| Application Place                    | Indoor/Outdoor                                                                                                                                                                                |  |
| Working Altitude                     | <2000m                                                                                                                                                                                        |  |
| Storage Temperature                  | -30°C~+85°C                                                                                                                                                                                   |  |
| Working Temperature                  | -30°C~+50°C                                                                                                                                                                                   |  |
| Working Humidity                     | 5%~95%                                                                                                                                                                                        |  |
| Protection Level                     | IP55    IK10( Screen IK08 )                                                                                                                                                                   |  |
| Natural Cooling                      | Forced-air Cooling                                                                                                                                                                            |  |
| Security Design                      | Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightening Surge Protection                                       |  |