



Battery-integrated EV Charger

60/80KW+42.5KWh



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.



VERSION: 20240605-01

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Product Overview

The EVB Battery-integrated EV Charger seamlessly combines energy storage and charging, offering versatility and efficiency. With a 42.5kW·h battery capacity and 40.4 kW·h usable energy, it provides ample power. It delivers reliable performance with a maximum charging power of 60kW/80kW and over 6000 cycles (25% EOL). Its IP55 rating ensures protection against dust and water ingress.



Product Advantages



IP55 Rating



Ethernet/4G



Full Protection



19-inch
Touch Screen



OCPP 1.6J



RFID, Credit Card



APP Control

Model Selection

| | | |
|--|------------------------|---------------------------------------|
| Energy Storage System Integrated Compact Charging System | | BDESC-8040 |
|  | | |
| Basic Parameter | | |
| Product Specification | Type | DC charging station |
| | Dimension | 880mm*1160mm*2100mm (w*d*h) |
| | Installation | Floor type |
| | Material | Industrial Grade Alloy |
| | Color | Grey silver sand |
| | Weight | 740kg |
| Energy storage system | Battery Capacity | 42.5kW·h |
| | Usable Energy (SAT) | 40.4 kW·h(95% DOD) |
| | Max. recharge Power | 20kw |
| | Battery charging Rate | ≤0.5C |
| | Battery discharge Rate | ≤1C |
| | Battery Efficiency | ≥94.5% under nominal situation |
| | Cycle Life | > 6000(25℃),60% EOL |
| | IP Ranking | IP55 |
| Charging system | Connectors | 1 |
| | Charging power | DC Max.30/40kW +30/40kW=60kW/80kW |
| | Power distribution | 1 connectors intelligent distribution |
| | Charging voltage | 300V~1000V |
| | Efficiency | ≥96.5% |

| | | |
|-----------------------|-------------------------------------|--|
| Meter | DC side | DC meter(MID PTB optional) |
| Cooling system | Battery cooling | Air-cooled |
| | Power modules | Air-cooled |
| | Cable cooling | Air-cooled |
| User Interface | Display size | 19 Inch |
| Payment System | RFID, Credit Card | |
| Connectivity | GSM & LTE & LAN &WLAN | |
| Communication | OCPP 1.6J | |
| Communication | | |
| Environment Parameter | | |
| | Applicable site | Outdoors |
| | Ambient temperature | −30℃-50℃(over 45℃derating) |
| | Humidity | ≤95% No condensation |
| | Altitude | ≤2000m |
| | Noise Emission | ≤70dB under nominal situation |
| | EMC Emission | Class B |
| | Medium | No explosive hazardous, No toxic & harmful gases. |
| | Interference | Without strong vibration and shock, no strong electromagnetic interference |
| Input, Output | | |
| | Input Voltage | 3Phase 400VAC +/- 15% |
| | Input Frequency | 50Hz±1Hz |
| | Output Voltage Range | 150VDC-1000VDC |
| | Constant-power voltage output range | 300VDC-1000VDC |
| | Nominal power output | 30/40kW + 30/40kW |
| | Current output | Max. 200A CCS2 continuously |
| | Rated Input Current | 61A |

| Safety | | |
|----------|-------------------|---|
| | IP ranking | IP55 |
| | Safety protection | Input protection, Overcurrent protection, Lightning protection, Over-temperature protection, output over-voltage protection, fan protection, short circuit protection, Emergency button, Flood protection, Ground protection, Dumping protection, Smoke protection, Fire protection |
| Standard | | |
| | Battery level | IEC 62619,,IEC/EN 61000-6-1/3 UN38.3 |
| | System level | IEC 61851-1,IEC 61851-23,IEC 61851-21-2,IEC 61851-24 |