

### Product advantages



- One cluster one management, high pressure box integrated built-in optimizer, can achieve free output voltage rise and fall, support flexible expansion.
- Active equalization between battery packs, higher usable energy. The integrated stack installation solution, allows quick onsite installation, and not need connect cables.
- Internal heater, supports charging in low temperature conditions.
- Up to 4 racks in parallel, 10~200kWh wide battery energy range.
- One-button automatic recognition, simple and convenient operation.
- IP66 protection rating, more reliable and safe.



**Model****CBS5000-BCU****System Parameters**

|                           |               |
|---------------------------|---------------|
| Number of Battery Modules | 2-10          |
| Nominal Voltage           | 600 Vd.c      |
| Operating Voltage Range   | 600-1000 Vd.c |
| Max. Charging Power       | 25 kW         |
| Max. Discharging Power    | 25 kW         |
| Max. Charging Current     | 40 A          |
| Max. Discharging Current  | 40 A          |
| Peak Output Power         | 50 kW,3 s     |

**General Parameters**

|                                 |                     |
|---------------------------------|---------------------|
| Protective Class                | Class I             |
| IP Rating                       | IP66                |
| Operating Temperature Range[1 ] | -20°C to +50°C      |
| Relative Humidity Range         | 5%-95%              |
| Max. Operating Altitude[2]      | 4000m               |
| Installation                    | Floor Mounted       |
| Dimensions(L*W*H)               | 625mm*415mm*190mm   |
| Cooling Mode                    | Intelligent Airflow |
| Weight                          | TBD                 |
| Max. Scalability                | 4                   |
| Communication                   | CAN                 |
| Display                         | LED                 |

[1] Refer to the temperature derating curve.

[2] If the altitude is >2000m, derating operation is required, refer to the derating curve.

\*All specifications are subject to change without notice.

## CBS5000-BMU

5.12 kWh

SMART BATTERY



### Product advantages



- The integrated stack installation solution, allows quick onsite installation, and not need connect cables.
- All-weather performance from  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ , perfect for outdoor installation.
- Up to 4 racks in parallel, 10~200kWh wide battery energy range.



**Model****CBS5000-BMU****System Parameters**

|                                     |  |
|-------------------------------------|--|
| Battery Type <sup>[1]</sup>         | LiFePO <sub>4</sub> - lithium iron phosphate battery |
| Battery Total Energy <sup>[2]</sup> | 5.12 kWh   |
| Rated Capacity                      | 100 Ah   |
| Rated Power                         | 2.5 kW   |
| Nominal Voltage                     | 51.2 Vd.c  |
| Max. Charging Current               | 50 A   |
| Max. Discharging Current            | 50 A   |

**General Parameters**

|  |                   |
|--|-------------------|
| Protective Class                           | Class I           |
| IP Rating                                  | IP66              |
| Operating Temperature Range <sup>[3]</sup> | -20°C to +50°C    |
| Relative Humidity Range                    | 5%-95%            |
| Max. Operating Altitude <sup>[4]</sup>     | 4000m             |
| Installation                               | Floor Mounted     |
| Dimensions(L*W*H)                          | 625mm*415mm*176mm |
| Cooling Mode                               | Natural           |
| Weight                                     | TBD               |
| Communication                              | CAN               |

[1] Rechargeable Li-ion Battery system.

[2] Test conditions:0.2C charging/discharging at 25°C,100%DOD.

[3] Refer to the curve of temperature VS charging/discharging current.

[4] Derating above 2000m.

\*All specifications are subject to change without notice.