

# BF100

BF100 is an outdoor-mountable DC battery cabinet featuring an intelligent air-cooled cooling design. It offers flexible single cabinet capacity of 71/86/100kWh, reserved DC side expansion interface. Additionally, it is equipped with a wall-mounted hybrid inverter to facilitate AC output. This cabinet is ideal for office parks, commercial buildings, charging stations, and other small industrial and commercial applications.



## Flexible Expansion

Single cabinet capacity of 71/86/100kWh optional, reserve DC side expansion interface



## Safe & Reliable

Three-stage detection + active exhaust + passive explosion-proof design to eliminate hidden hazards and ensure safe operation.



## IP55+C3/C5

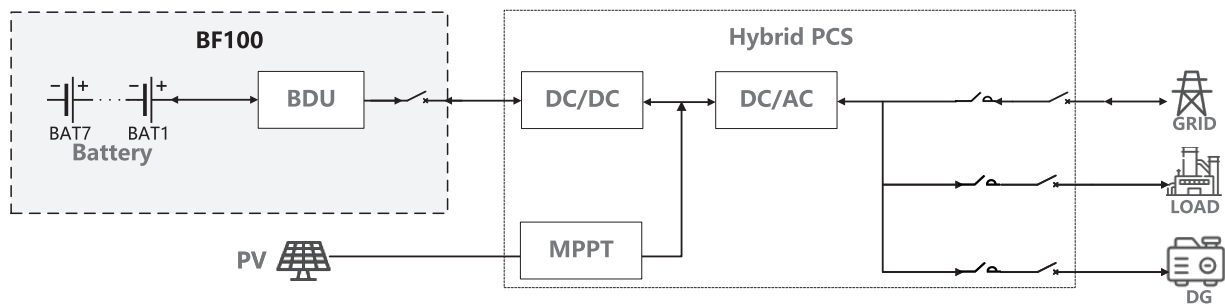
Resistance up to C3/C5 corrosion level, Handles harsh environments such as high humidity and salt spray corrosion with ease.



## Simple O&M

Modular design, side outlet mode, easy to install, and easy to maintain.

# Diagram



# Specification

| Model                 | BF100-C70                            |                | BF100-C80      | BF100-C100 |
|-----------------------|--------------------------------------|----------------|----------------|------------|
| Battery               |                                      |                |                |            |
| Battery Type          | LiFePO <sub>4</sub>                  |                |                |            |
| Battery Capacity      | 280Ah                                |                |                |            |
| Rated Current         | 140A                                 |                |                |            |
| Max. Current          | 160A                                 |                |                |            |
| PACK Configuration    | 1P16S                                |                |                |            |
| PACK Quantity         | 5 PACK/Cluster                       | 6 PACK/Cluster | 7 PACK/Cluster |            |
| Voltage Range         | 232~288Vdc                           | 278.4~345.6Vdc | 324.8~403.2Vdc |            |
| Nominal Capacity      | 71kWh                                | 86kWh          | 100kWh         |            |
| System                |                                      |                |                |            |
| Weight                | 1100±100kg                           | 1200±100kg     | 1300±100kg     |            |
| Dimension (W/D/H)     | 725/1224/2258mm                      |                |                |            |
| Max. Efficiency       | ≥94% (TBD)                           |                |                |            |
| Air Conditioner Power | 2kW (Cooling), 1kW (Heating)         |                |                |            |
| Temperature           | -20~50°C (Derating above 45°C)       |                |                |            |
| Humidity              | 0~95%RH ( Non-condensing)            |                |                |            |
| Ingress Protection    | IP55                                 |                |                |            |
| Anti-corrosion Grade  | C3/C5                                |                |                |            |
| Cooling Method        | Air-cooling                          |                |                |            |
| Noise                 | ≤65dB (TBD)                          |                |                |            |
| Display               | Touch screen                         |                |                |            |
| Elevation             | 3000m (Derating above 2000m)         |                |                |            |
| Fire Protection       | Aerosol (Optional Perfluorohexanone) |                |                |            |
| Communication         | Ethernet/4G/RS485                    |                |                |            |
| Certification         | CE                                   |                |                |            |

