

# DH200F

## Commercial battery cabinet

The DH200F is an AC-coupled battery cabinet for commercial and industrial energy storage. This all-in-one solution provides storage capacity of 215kWh with an integrated power conversion system (PCS) of 100kW. It offers optional direct PV connection (MPPT module) as well as off-grid operation (STS).

- + All-in-one integrated solution
- + Optional off-grid operation
- + 0.5 C charging rate
- + Optional direct PV connection
- + 6000 cycles\*
- + Integrated 100kW PCS
- + Parallel connection up to 12 cabinets (2.5MWh)
- + Integrated fire extinguishing system



## General characteristics

|                             |  |
|-----------------------------|--|
| Dimensions (W x H x D)      | 1850 x 1200 x 2250 mm  |
| Net Weight                  | 2900 kg  |
| Battery type                | LFP (LiFePO <sub>4</sub> )   |
| Max. site altitude          | 3000m (derating above 2000m)   |
| IP protection class         | IP55   |
| Anti-corrosion              | C3   |
| Cooling principle           | Air cooling  |
| Warranty                    | 5 years**  |
| Display                     | Touchscreen  |
| Communication interfaces    | Ethernet/4G  |
| Cycle life                  | 6000 cycles / 80% EOL (25°C, 100% DOD, 0.5P)   |
| Fire extinguishing system   | Level 3 detection + system level fire protection   |
| Standards                   | GB/T36276, GB/T34131, IEC62619, IEC63056, IEC60730, EN62477, EN61000-6-2/4, IEC62109, IEC62040, C10/11 |
| Operating temperature range | -20°C to +50°C   |
| Relative humidity range     | 0% to 95%  |



# Battery technical specifications

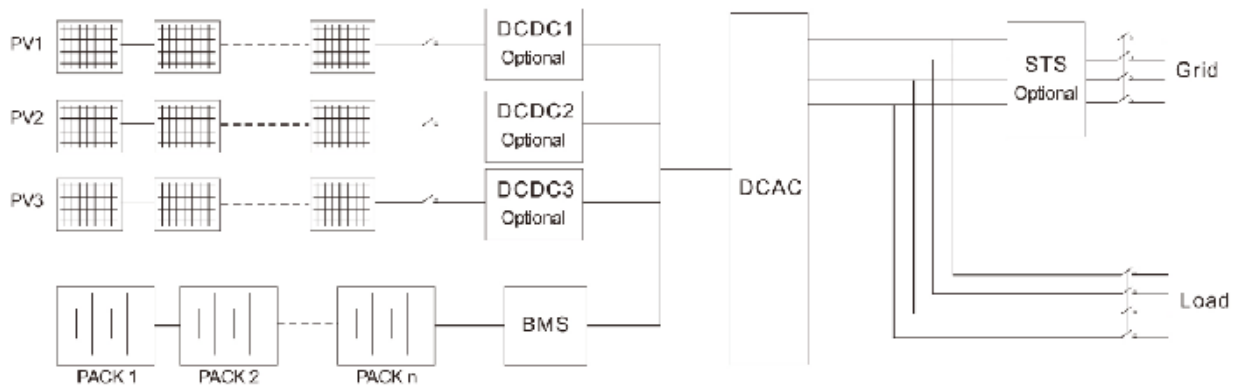
|                       |                |
|-----------------------|----------------|
| System capacity (kWh) | 215            |
| Cell capacity (Ah)    | 280            |
| Module configuration  | 1P16S          |
| Battery packs         | 15 per cabinet |

## AC output (on-grid/ off-grid)

|                             |   |
|-----------------------------|---|
| Rated output power (kW)     | 100   |
| Rated output voltage (Vac)  | 400   |
| Voltage range (Vac)         | 320 - 460   |
| Wiring method               | 3P4L+PE   |
| Rated frequency (Hz)        | 50 / 60   |
| Grid frequency range (Hz)   | 45 - 55 / 55 - 65                                   |
| THDi (on-grid)              | <= 3%   |
| Switch time (off-grid) (ms) | <20 (possible <5, depending on the grid connection) |

## PV input characteristics (optional MPPT modules)

|                                       |           |
|---------------------------------------|-----------|
| Input Voltage (V)                     | 200 - 670 |
| Number of MPPT modules                | 0-3       |
| Max. input power per MPPT module (kW) | 50        |
| Max input current (A)                 | 100       |



\* at 25°C and 100% DOD with 1h between the cycles.

\*\* Please see the warranty document for detailed information about the scope of the 5 year warranty.

The specifications contained in this datasheet may deviate slightly from our actual products due to on-going product improvement and are subject to change at any time without prior notice.