

# DH200F

The DH200F has a multi-functional, all-in-one design that supports flexible expansion, PV integration and grid/off-grid switching. It supports an AC parallel connection of up to 12 units, reaching a capacity of 2.58 MWh. The DC-coupled photovoltaic system enhances solar efficiency and reduces costs, and the unit is equipped with STS. The switching time between on-grid and off-grid is less than 20 ms, ensuring a stable power supply



## Flexible Expansion

Maximum support for 12 machines in AC parallel, expandable to 2.58MWh; reserved DC expansion interface



## Safe & Reliable

Three-level fire detection, explosion-proof ventilation design, combined aerosol and water fire suppression for dual protection



## PV DC Coupling

DC-coupled PV, improving power generation efficiency, reducing system costs



## Stabilized Power Supply

Equipped with intelligent and efficient STS, the off-grid switching time is less than 20 ms



## Flexible Wiring

Multiple wiring options reduce site constraints and lower installation difficulty/cost



## Full Scenario

Supports AC-coupled integration with PV, diesel generators, EV chargers, and all energy scenarios

# SPECIFICATION

| Model                              |  | DH200F                                                                                                             |
|------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|
| Battery                            |  |                                                                                                                    |
| Battery Type                       |  | LiFePO <sub>4</sub>                                                                                                |
| Battery Capacity                   |  | 280Ah                                                                                                              |
| PACK Configuration                 |  | 1P16S*15                                                                                                           |
| Rated Current                      |  | 140A                                                                                                               |
| Max. Current                       |  | 160A                                                                                                               |
| Voltage Range                      |  | 696~864Vdc                                                                                                         |
| Nominal Capacity                   |  | 215kWh                                                                                                             |
| On-grid AC Side                    |  |                                                                                                                    |
| Rated Power                        |  | 100kW                                                                                                              |
| AC Maximum Current                 |  | 167A                                                                                                               |
| AC Rated Voltage                   |  | 400Vac                                                                                                             |
| Wiring Method                      |  | 3P4L+PE                                                                                                            |
| Frequency                          |  | 50Hz/60Hz                                                                                                          |
| Power Factor                       |  | 1(Leading)~1(Lagging)                                                                                              |
| THDi                               |  | ≤3% (Rated power)                                                                                                  |
| Max. Number Of Parallel Expansions |  | 12                                                                                                                 |
| Off-grid AC Side (Optional)        |  |                                                                                                                    |
| Rated Power                        |  | 100kVA                                                                                                             |
| AC Rated Voltage                   |  | 400Vac                                                                                                             |
| AC Maximum Current                 |  | 167A                                                                                                               |
| Wiring method                      |  | 3P4L+PE                                                                                                            |
| Frequency                          |  | 50Hz/60Hz                                                                                                          |
| Unbalanced Load                    |  | 100%                                                                                                               |
| THDv                               |  | < 3% (Liner load)                                                                                                  |
| Max. Number Of Parallel Expansions |  | 5                                                                                                                  |
| Photovoltaic (Optional)            |  |                                                                                                                    |
| Max. Input Power                   |  | 50kW*3                                                                                                             |
| Max. Input Current                 |  | 100A*3                                                                                                             |
| Short-circuit Current              |  | 150A                                                                                                               |
| Max. Voltage                       |  | 670Vdc                                                                                                             |
| Input Voltage Range                |  | 200~670Vdc                                                                                                         |
| Start-up Voltage                   |  | 250Vdc                                                                                                             |
| MPPT Path                          |  | 3                                                                                                                  |
| System                             |  |                                                                                                                    |
| Weight                             |  | 2800±100kg                                                                                                         |
| Dimension (W/D/H)                  |  | 1845/1190/2250mm                                                                                                   |
| Max. Efficiency                    |  | 87%                                                                                                                |
| Air Conditioner Power              |  | 3kW (Cooling), 1kW (Heating)                                                                                       |
| Operating Temperature              |  | -20~50°C(Derating above 45°C)                                                                                      |
| Operating Humidity                 |  | 0~95%RH (Non-condensing)                                                                                           |
| Ingress protection                 |  | IP55                                                                                                               |
| Anti-corrosion Grade               |  | C3                                                                                                                 |
| Cooling method                     |  | Air cooling                                                                                                        |
| Noise                              |  | ≤70dB                                                                                                              |
| Elevation                          |  | 3000m (Derating above 2000m)                                                                                       |
| Display                            |  | Touch screen                                                                                                       |
| Fire Protection                    |  | Aerosol, Water fire system, Multi-sensor/Water ingress detector, Audible&Visual alarm, Explosion-proof ventilation |
| Communication                      |  | Ethernet/4G/RS485                                                                                                  |
| Certification                      |  | CE, LVD, UN38.3                                                                                                    |

