

# 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% (Linear 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℃(Derating above 45℃)
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, Audible&Visual alarm, Explosion-proof ventilation
Communication		Ethernet/4G/RS485
Certification		CE, LVD, UN38.3

