

DH200F

The DH200F has a multi-functional, all-in-one design that supports flexible expansion, PV access and on-and-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 cost. Equipped with STS, it ensures that on-and-off-grid switching time is less than 20 ms, thereby maintaining a stable power supply. It provides peak shaving, grid demand response and backup power services, guaranteeing stable power supply for off-grid use.



Flexible Expansion

Maximum support for 12 cabinets 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



Stable Power Supply

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



Flexible Wiring

Multiple wiring options reduce site constraints, less difficulty, and lower installation cost



All Scenarios Covered

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

SPECIFICATION

Model	DH200F
Battery	
Battery Type	LiFePO ₄
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	≤75dB
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

