

DH200F

The DH200F features an integrated multi-functional design that supports PV access ,on-grid to off-grid switching, covering the whole scenario of photovoltaic, storage and diesel generator. It supports a maximum of 12 machines in AC parallel and can be expanded to 2.58MWh. Support equipped with intelligent and efficient 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

A prevention-oriented fire protection strategy featuring three levels of detection, Multiple extinguishing agents, and EMS intelligent judgment.



No Black Out

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



IP55 Protection

Resistant to outdoor installation with strong environmental adaptability.



Structural Innovation

The unique air duct design features a shoulder-to-shoulder flexible layout, resulting in high space utilization.



Full-scenario

Supporting PV access, transitioning from on-grid to off-grid, and encompassing the entire spectrum of photovoltaic systems, energy storage, and diesel generators.

Specification

Model		DH200F
Battery		
Battery Type		LiFePO ₄
Battery Capacity		280Ah
PACK Configuration		1P16S
PACK Quantity		15 PACK/Cluster
Rated Current		140A
Max. Current		160A
Voltage Range		672~864Vdc
Nominal Capacity		215kWh
AC (On-grid)		
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
AC(Off-grid)		
Rated Power		100kW
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		
Max. Input Power		50kW (Power 1.1 times overload)
Max. Input Current		100A
Short-circuit Current		150A
Max. Voltage		670Vdc
Input Voltage		200~670Vdc
Start-up Voltage		250Vdc
MPPT Path		0~3
System		
Weight		2800±100kg
Dimension (W/D/H)		1850/1265/2250mm
Max. Efficiency		≥87% (TBD)
Air Conditioner Power		3kW (Cooling), 1kW (Heating)
Temperature		-20~50°C(Derating above 40°C)
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 (Optional Perfluorohexanone)
Communication		Ethernet/4G/RS485
Certification		CQC, CE, TUV

