

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.



Stabilized Power Supply

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



IP55+C3

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 PV systems, energy storage, and diesel generators.

SPECIFICATION

Model	DH200F
Battery	
Battery Type	LFP (LiFePO4)
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℃ (Derating above 40℃)
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, TÜV