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℃(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, TUV

File version-20241226-EN

Information might be subject to change without notice during product improving.

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