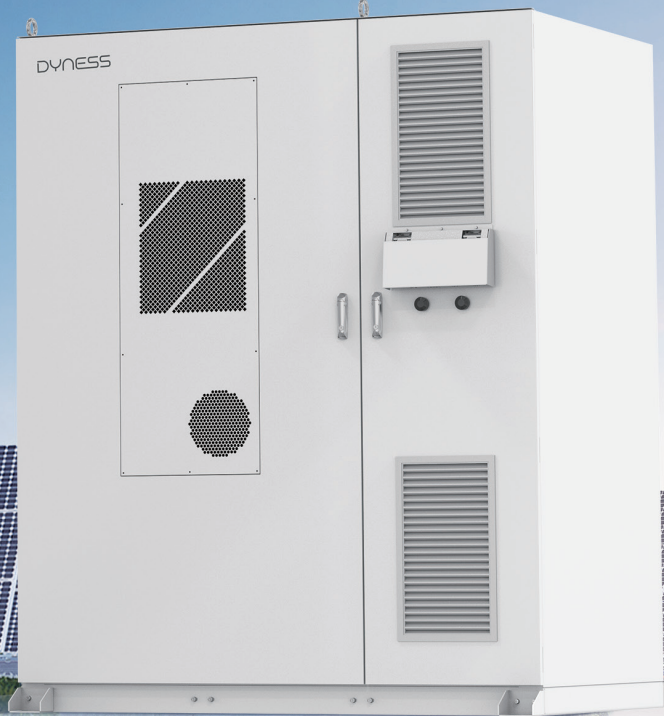


DH200F

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

