

DH200Y

DH200Y is the first high-security, high-energy density, DC1000V liquid-cooled all-in-one energy storage system designed for grid-connected projects, including office parks, commercial buildings, and charging stations. Single cabinet capacity of 232kWh, maximum support for 10 machines in parallel, expandable to 2.3MWh. With a 9% increase in energy density and a 10% reduction in floor space. The higher energy density provides superior options for energy storage solutions.



Flexible Expansion

Maximum support for 10 machines in AC parallel, expandable to 2.3MWh; reserved DC expansion interface



Economical

Occupies an area of 1.58m², energy density up to 147kWh/m², low installation costs



Ultra Safe

Three-level fire detection + active exhaust + passive explosion-proof design to eliminate hidden hazards and ensure safe operation



Smart Temperature Control

PACK smart liquid cooling+PCS smart air cooling, cluster-level temperature difference ≤ 3°C



Ultra-high Level Protection

PACK+PCS IP65,C3/C5 anti-corrosion grade optional, handles harsh environments such as high humidity and salt spray corrosion with ease



Simple O&M

Modular design, pre-maintenance solution for easy access and O&M, and support for online monitoring and O&M

SPECIFICATION

Model		DH200Y
Battery		
Battery Type		LiFePO ₄
Battery Capacity		280Ah
PACK Configuration		1P52S*5
Rated Current		140A
Max. Current		160A
Voltage Range		754~936Vdc
Nominal Capacity		232kWh
On-grid AC Side		
Rated Power		100kW
AC Maximum Current		145A
AC Rated Voltage		400Vac
Wiring Method		3P4L+PE
Frequency		50Hz
Power Factor		1(Leading)~1(Lagging)
THDi		≤3% (Rated power)
Max. Number Of Parallel Expansions		10
System		
Weight		2600±100kg
Dimension (W/D/H)		1055/1475/2400mm
Max. Efficiency		90%
Liquid-cooling Power		2.5kW (Cooling), 2kW (Heating)
Operating Temperature		-20~50°C (Derating above 45°C)
Operating Humidity		0~95%RH (Non-condensing)
Ingress Protection		IP55
Anti-corrosion Grade		C3 (Optional C5)
Cooling Method		PACK Liquid-cooling + PCS Air-cooling
Noise		≤75dB
Elevation		3000m (Derating above 2000m)
Display		Touch screen
Fire Protection		Aerosol, Multi-sensor/Water ingress detector, Explosion-proof ventilation
Communication		Ethernet/4G/RS485
Certification		CQC, CE, TUV, LVD, UN38.3

