

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

Triple-level fire suppression + 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 differences $\leq 3^{\circ}\text{C}$



Ultra-high Level Protection

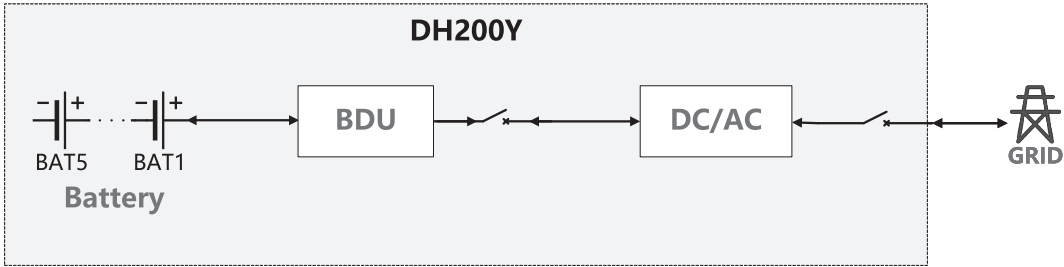
PACK+PCS IP65, C3/C5 Anti-corrosion grade optional, Handles harsh environments such as high humidity and salt spray corrosion with ease.



Minimal O&M

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

Diagram



Specification

Model		DH200Y
Battery		
Battery Type		LiFePO ₄
Battery Capacity		280Ah
PACK Configuration		1P52S
PACK Quantity		5 PACK/Cluster
Rated Current		140A
Max. Current		160A
Voltage Range		754~936Vdc
Nominal Capacity		232kWh
AC (On-grid)		
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)		1055/1645/2398mm
Max. Efficiency		≥90% (TBD)
Liquid-cooling Power		2.5kW (Cooling), 2kW (Heating)
Temperature		-20~50℃ (Derating above 45℃)
Humidity		0~95%RH (Non-condensing)
Ingress Protection		IP55
Anti-corrosion Grade		C3/C5
Cooling Method		PACK Liquid-cooling + PCS 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

