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 difference≤ 3°C

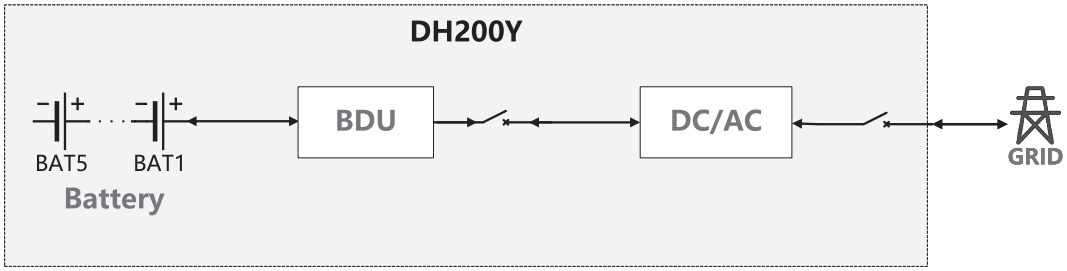
Ultra-high Level Protection

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

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