

DH200Y

All-in-one liquid cooling system

Dyness' first high security, high energy density DC1000V liquid cooling all-in-one energy storage system, compact structure design reduces space, 232kWh in a single cabinet, supports AC and DC side expansion at any time, zero parallel capacity loss.



Safe and Reliable

Pack cell pressure monitoring, triple-level fire suppression, active discharge, and explosion-proof design



Flexible Expansion

Single-unit reserved expansion interface, allowing flexible expansion, Supports up to 10 units in parallel, expandable to 2.3MWh



High Energy Density

Occupies an area of 1.58 m² energy density up to 147kWh/m²



Intelligent and Efficient

Intelligent Precision Liquid Cooling with Cluster-Level Temperature Difference Under 3°C



High-level Protection

C5 corrosion protection grade, IP65+Pack, and IP65 PCS



Minimalist Operation and Maintenance

Pre-maintenance plan, fully modular design, minimalist operation and maintenance

Technical Specifications

Battery Technical Specifications	
Battery Type	LFP (LiFePO4)
Cell Capacity	280Ah
Module Configuration	1P52S
PACK quantity	One cluster/5 PACK
Battery Voltage Range	728~936V
System Capacity	232kWh
AC Output (On Grid)	
Rated Output Power	100kW
Rated Output Voltage	400Vac
Voltage Range	340 Vac ~440 Vac
Wiring Method	3P3L+PE
Rated output frequency	50Hz/60Hz(Settable)
Grid frequency Range	45-55Hz /55-65Hz(Settable)
THDi	≤3% (Rating power)
System parameters	
Dimensions (WxDxH)	1055x1500x2400mm
Weight	2500kg (TBD)
Operating Temperature Range	-20~55°C
Operating Humidity Range	0~95%
IP Protection	IP65
Anti-corrosion	C5
Noise	≤75dB
Elevation	3000m(>2000m derating)
Cooling Method	Smart Battery Liquid Cooling + PCS Air Cooling
Display	Touchscreen
Fire Fighting	Class 3 fire protection + active venting + explosion protection
Communication Port	Ethernet/4G
Cycle Life	8000 cycles/80%EOL (25°C;100%DOD,0.5P)
DC Expansion Capacity	93-392kWh
Standards	GB/ T36276、GB/ T34131、IEC62619、IEC63056 IEC60730、EN62477、EN61000-6-2/4、IEC 62933