

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, Flexibly support DC 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	
Battery Type	LFP (LiFePO4)
Battery Capacity	280Ah
PACK Configuration	1P52S
PACK Quantity	One Cluster/5 PACK
Rated Current	140A (0.5C)
Max. Current	160A
Voltage Range	754~936V
System Capacity	232kWh
AC (On Grid)	
Rated Power	100kW
AC Maximum Current	400V
AC Rated Voltage	3P4L+PE
Wiring Method	50Hz/60Hz
Frequency	158A
THDi	≤3% (Rating power)
Max. Number Of Parallel Expansions	10
System	
Dimension (W*D*H)	1055*1645*2398mm (Including fixed base)
Weight	2600kg
Max. System Cycle Efficiency	≥90%
Liquid-cooling Power	2.5kW (Cooling), 2kW (Heating)
Temperature	-20~50 C (Derating when above 45 C)
Humidity	0~95% (Non-condensing)
Ingress Protection	IP55
Anti-corrosion Grade	Optional: C3/C5
Noise	≤75dB (TBD)
Elevation	3000m (Derating above 2000m)
Cooling Method	Battery Liquid-cooling + PCS Air-cooling
Display	Touch screen
Fire Protection	Optional: Aerosol/Perfluorohexanone (Novec1230)
Communication	4G/Ethernet/RS485/CAN
Standards	GB/T36276、GB/T34131、IEC62619、IEC63056、IEC60730、 EN62477、EN61000-6-2/4、IEC 62933