

LQH-233(233KWh)
Voltaine series liquid-cooled industrial and commercial storage cabinet

◆Multi-fusion
Bulit-in EMS and BMS， auxiliary power redundancy design;

◆Intelligent temperature control
Operating at full power,the maximum temperature of the battery is below 38℃， and the temperature difference is less than 3℃;

◆Reliable
One cluster management,cloud-edge collaboration,real-time data monitoring,and fault warning;

◆Safety
Lithium Iron Phosphate(LFP)batteries， battery packs and system all use aerosol fire extinguishing fluids;

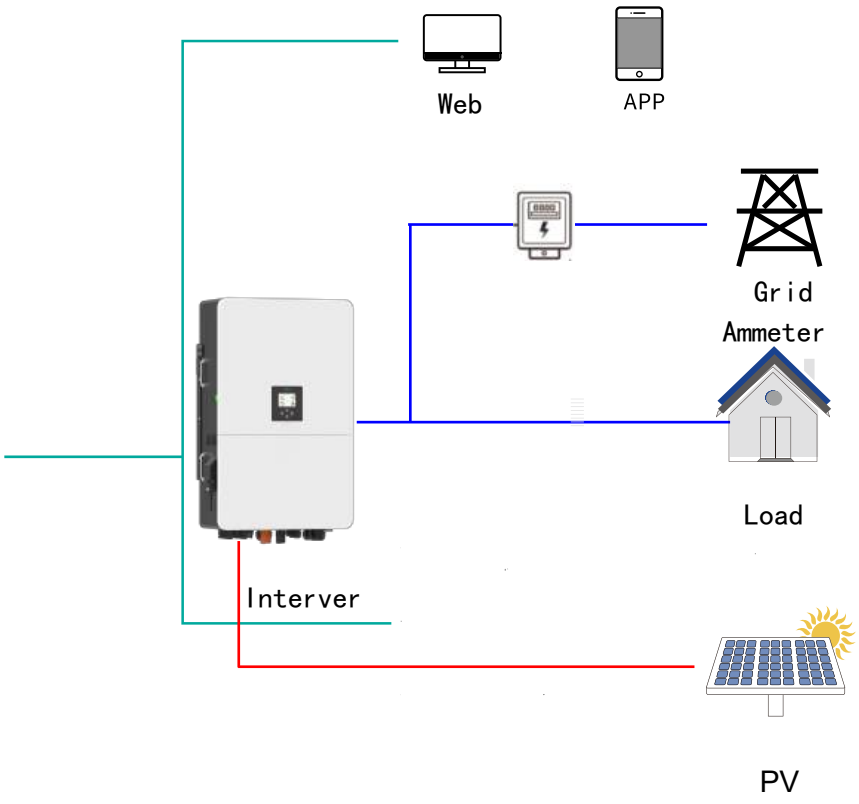
◆High-protection
5cm fire proof rock wool,1 hour flame retardant protection,C4 shell protection;

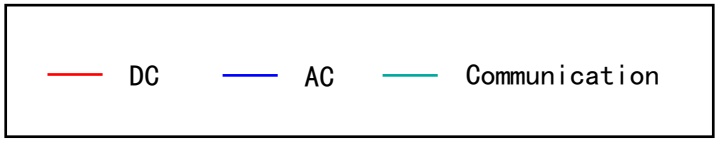
Technical data

Model	LQH-233
Battery System parameters	
Battery system /voltage	832V280Ah
Normal charging and discharging current(A)	140
Cooling method	Liquid cooling
Capacity(kWh)	233
Dimensions(W/D/H,mm)	1520*1280*2200
Weight(kg)	2560
Battery operating voltage(V)	650~949
Maximum cycle efficiency	92%
Communication	ETH/4G
Ambient temperature(℃)	-20~55
Operating altitude(m)	≤2000
IP	IP65
Corrosion protection level	C4
Installation	Floor
High voltage Control Box parameters	
Related Product	1000V250A
System Operation Voltage (Vdc)	0-1000
Operation Current (Max.) (A)	250
Self-consumption Power(W)	8
Communication	MODBUSRTU/CAN
Operation Temperature	-20 to 65℃
Storage Temperature(℃)	-40 to 80
WiFi module	intergrated
Dimension (W* D* H, mm)	480*550*178
Operation Life	≥15 years
Battery Module parameters	
Cell type	LFP 3.2V280Ah
Standard voltage(V)	166.4
Capacity(kWh)	46.6
Communication	CAN
Module size(W*D*H,mm)	784*1160*242
Module weight(kg)	323
Operating temperature	Charge:0~55℃/Discharge:-20℃~55℃
Cycle life	≥6000(@25℃±2℃,0.5C/0.5C,70%EOL)

Appliacation topology







Application topology

Electricity bill savings
Peak shaving and valley filling to reduce electricity bills Demand control reduces capacity electricity bills

Scenery consumption
The surplus electricity generated by PV during the day is stored for use at night
The discharge smooths out the output fluctuations of wind power

Optical storage microgrid
It can realize the application of electricity cost saving,back up power supply,etc.,and provide stable power supply for areas that cannot be connected to the power grid such as islands and mountainous areas.

Power expansion
Discharges when the distribution capacity cannot meet the load demand to meet the load demand, so as to achieve the effect of virtual capacity expansion

The standby power supply
Discharged in the event of a power outage or power rationing in the power grid to ensure power consumption

Demand response
Receive grid dispatch and enjoy dispatch subsidies