

QBESS-H-232

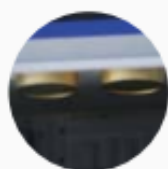
All-in-One ESS Cabinet

Precise Temperature Control, Highly Efficient Liquid Cooling

- System Temperature Difference $\leq 3^{\circ}\text{C}$
Extended Battery Life



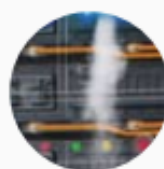
Quadruple Protection, Ultimate Safety



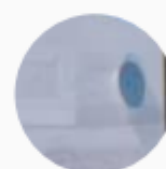
Thermal & Smoke
Detectors



Aerosol Fire
Suppression Module



Combustible Gas
Detector



Explosion Relief
Valve

Flexible deployment, Plug-and-play

- Supports up to **10** all-in-one cabinets
with **Zero-gap** parallel connection



Intelligent EMS, Dynamic Optimization

- Real-time System Security

Continuous
Monitoring

Smart
Alerts

Optimized
Performance

- Cloud-Based Energy Storage Monitoring
Complete and accurate monitoring
and maintenance services

CATL Original Pack, LFP Cells



Cell Cycle life ≥ 8000

Product Specifications

Commercial and Industrial ESS QBESS-H-232



PRODUCT MODEL	QBESS-H-232
BATTERY SPECIFICATIONS	
Battery Type	LFP
Battery Model	280Ah
Energy Capacity	232kWh
Voltage Range	728 ~ 936VDC
P-rate	0.5P
Certifications	UN 38.3, UN 3480, UL 1973, UL 9540A, UL9540, IEC 62619, IEC 61000-6-2/-4, IEC 62477-1, IEC 60356, IEC 60730-1
PCS SPECIFICATIONS	
Rated AC Power	100kW
Rated Grid Voltage	400/480Vac
Total Harmonic Distortion	<3%
Rated Grid Frequency	50/60Hz
Peak Efficiency	98%
Power Factor	-1 to 1, continuously adjustable
Certifications	EN 50549, G99, VDE AR-N 4105, NTS Spain, IEC 62477, IEC 61000-6-2, IEC 61000-6-4, UL 1741, IEEE1547:2018, UL1741 SB
GENERAL SPECIFICATIONS	
Cooling Method	Liquid Cooling
Operating Temperature Range	-25 ~ 55 °C (>45°C derating)
Relative Humidity Range	0 ~ 95% (No Condensation)
Max. Working Altitude	4000m (>2000m derating)
Fire Safety Equipment	Aerosol, Smoke detector, Heat detector, Pressure relief valve, Flammable gas detector (optional), Deflagration venting pannel (optional), Water extinguishing system
Battery Compartment Ingress Protection	IP65
System Dimensions (W×D×H)	≈1500×1300×2000mm
Weight	≈3.5T
Isolation Transformer	Off-Grid Require