

STAR H-232

- All-in-One Cabinet
- CATL LFP 280Ah
- 100kW | 232kWh



Flexible Application

All-in-One Design
Plug-and-Play
Zero-Gap Parallel Connection

Ultimate Safety

3+2+2 Safety Protection
Precision Fire Alarm Position
Real Time Insulation Monitoring

Accurate Liquid Cooling

Temperature Difference $\leq 3^{\circ}\text{C}$
Extend Battery Lifespan

Intelligent Power Management

EMS Ensures System Safety
Cloud Platform Monitors Status





PRODUCT MODEL	STAR 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	≈2.6T
Isolation Transformer	Off-Grid Require

* If there are any changes in product size and parameters, please refer to the latest information.



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