

COMMERCIAL AND INDUSTRIAL ENERGY STORAGE

Liquid Cooling Commercial Energy Storage System

PRODUCT FEATURE



All-in-one Design

- Greatly reduce the time and cost of transportation and on-site installation



Secure System/Safety

- Equipped with PACK level firefighting, cabin level firefighting and water firefighting (optional)



Precision temperature control

- Liquid-cooling method to control the temperature of the battery cell ,extend the life of the battery



Application flexibility

- MPPT and STS can be added, external diesel generator, rich adaptive scenes



Easy maintenance

- Combination of local EMS and EMS cloud platform, remote maintenance and reduces maintenance costs



CAS-M12M23UNLC

TECHNICAL SPECIFICATION

Basic Parameters

Capacity	232kWh
System Voltage	DC832V
Working Voltage Range	DC728V ~ DC923V(2.8V ~ 3.55V)
Battery Type	LFP
Battery Capacity	280Ah
Battery Pack Type	1P52S
Battery Cluster Configuration	1P260S(5 Packs)
Remaining power at the end of 10 year	>162kWh(70%)
Rated power	120kW(60kw*2)
Rated grid voltage	AC380V
Rated grid frequency	50/60Hz
Anti-corrosion Level	≥C3

Optional Parameters

PV Maximum input power	120kW(60kw*2)
PV Maximum DC voltage	DC800V
MPPT voltage range	DC200V ~ DC680V
PV Maximum input current	400A(200A*2)
STS Rated output power	240kW
On-grid and Off-grid switching time	On-grid to Off-grid ≤20ms

Environment

Operating Temperature	~30°C~55°C
Storage Temperature	~30°C~60°C
Relative Humidity	5%RH~95%RH,No Condensation
Working Altitude	≤2000m
Noise	<75dB

Life

Equipment Availability Factor (AF)Throughout the Life Cycle	>99%
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Others

Communication	CAN/RS485
Protection Level	IP54
Firefighting	PACK Level Fire Protection
Size(w*d*h)[mm]	1300*1450*2100mm
Weight	About 2.8T