

LiFePO₄

20GP CONTAINERIZED ENERGY STORAGE SYSTEM

LFP Battery 1.2MWh

- **MODULAR DESIGN**

Modular design enhances operational efficiency and narrows the scope of fault impact

- **HIGHER EFFICIENCY**

Eliminate DC circulating currents between clusters, increase the system's available capacity by 15%, and enhance efficiency by 2%

- **HIGHLY ADAPTABLE**

It has strong environmental adaptability, capable of adapting to temperatures up to 50 C

- **MORE SECURE**

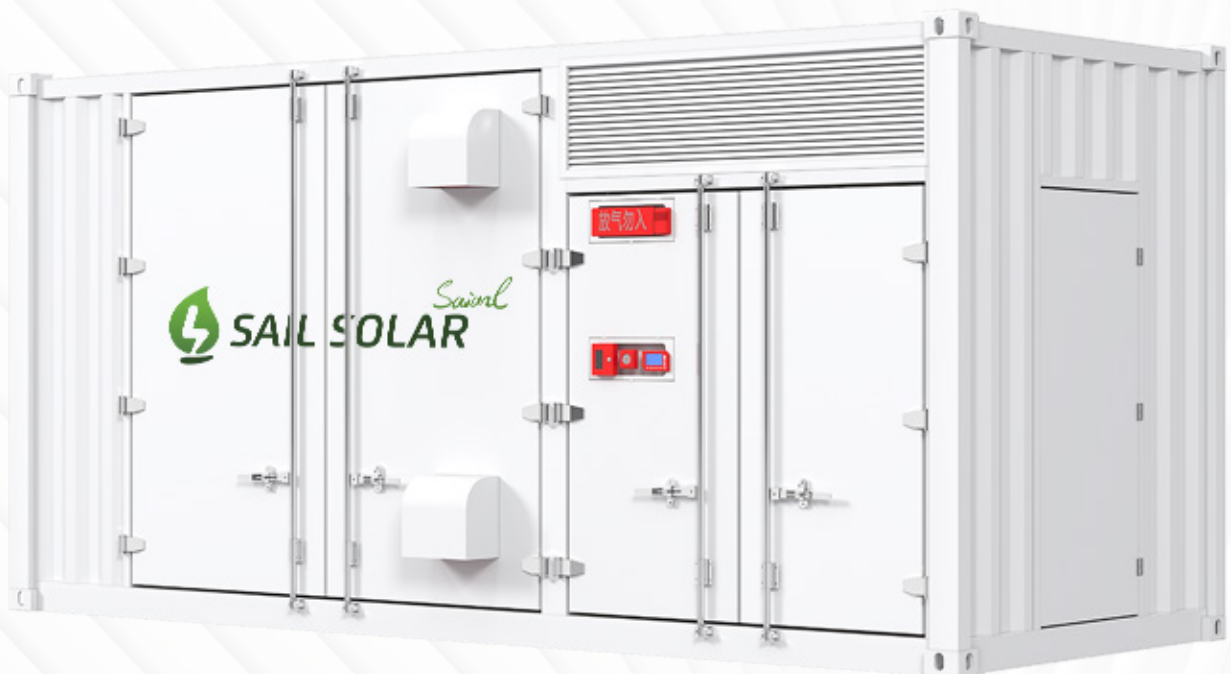
A modular fire protection system is employed in the engine room, which is separated by safety isolation partitions

- **FLEXIBLE DEPLOYMENT**

Flexible deployment and scalable space

- **LONG LIFESPAN**

The design lifespan exceeds 15 years.



LiFePO₄ Technical Parameters

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PRODUCT PARAMETERS

Battery type	LiFePO ₄
Rated capacity(Ah)	1570
Rated energy (MWh)	1.2
Voltage range (V)	672~864
Rated voltage (V)	768
Depth of discharge	90%
System charging rate	0.5C
System discharge rate	0.5C~1C
Size: L * W * H (mm)	6058*2438*2896
Weight (t)	16
Operating temperature (°C)	0-50
Temperature control method	Air cooling
Humidity	5%-95%
Battery module configuration	75pieces of 51.2V 314Ah
Combination method	parallel connection
Communication mode	CANBUS/Modbus TCP/IP
Efficiency	96%
Altitude (m)	<2000

Inverter Data

Inverter Model	MPS 500
Rate output power (kW)	500
Rated voltage (V)	400
Voltage range (V)	320~460
Battery voltage range (V)	500~850
MPPT voltage range (V)	250-850
Max.PV input voltage (V)	1000

Notes

*File version: 2026V1-EN

*Weight and Size of the battery module is based on the actual product, with a tolerance of * 3% allow

*Specifications may vary during continuous improvements, pls contactus for latest details.

*The installation of battery packs is related to product quality assurance, safe and stable operation. Please follow the requirements of the user manual for standardized installation, use, and routine maintenance