

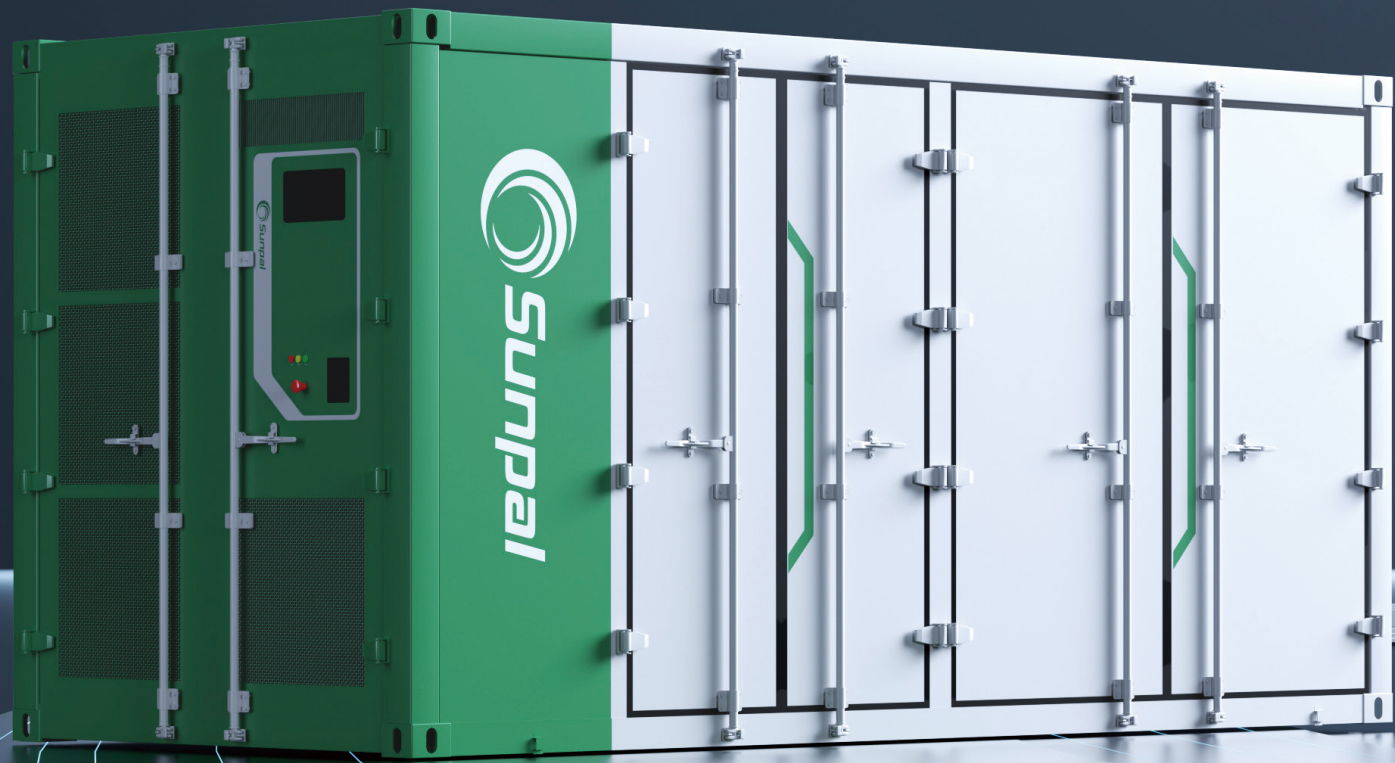
3.72MWh Container ESS

Highly integrated: Featuring a unified design, the energy storage system integrates the battery system, thermal management system, fire protection system, and energy management system, It is easy for transportation and installation.

Efficient and Flexible: Pre-assembled at the factory, it simplifies on-site instalation and commissioning time. Independent pack maintenance windows eliminate the need to open pack boxes, enhancing maintenance efficiency.

Safe and Reliable: Equipped with intelligent cell health monitoring to proactively identify problematic cells, and pack-level active fire protection compatible with multiple fire suppression methods.

Smart Operation: Real-time monitoring via Web/App, optimized strategies using artificial intelligence algorithms to maximize returns.



Model	3.72MWh
Basic Parameters	
Rated Power	1860 kW
Battery Capacity	3727 kWh
Cabinet Dimensions (W-D-H)	6058 mm * 2700 mm * 3140 mm
Weight	< 35t (Utility-Scale Energy Storage System)
Open ways	Side Opening
Mobility	/
DC Side Parameters	
Cell	LFP 3.2V / 280 Ah
System Voltage Range	1123.2VDC ~ 1497.6VDC
AC Side Parameters	
Permissible Grid Voltage	800 (-15%~15%) Vac
Rated Grid Frequency	50 / 60 Hz
System Parameters	
Maximum Cycle Efficiency	>90 %
Battery Compartment IP Grade	IP55 (Battery Compartment)
Operating Temperature	-20°C ~ +50°C
Corrosion Resistance Grade	C4
Temperature Control Method	Liquid Cooling System / Air Cooling System
Fire Suppression System	Gas Fire Suppression + Emergency Ventilation + Water Fire Suppression
Compartment Design	Multi - Compartment Design
Power Distribution Design	Centralized PCS, DC Bus Control Cabinet
AC Output Interface	Aviation Plug / Copper Busbar

• Product Feature



SAFETY

Three-level protection at the pack, cluster, and PCS levels, enabling precise hierarchical shutdown to minimize losses. Multi-compartment container design to prevent thermal runaway, with a three - layer fire protection system and two-level spray protection.



EFFICIENCY

PCS maximum efficiency ≥ 98%. Seamless parallel operation of multiple units, supporting 2/3/4-hour system applications. Integrated high - efficiency liquid cooling system with a temperature difference within the container < 5°C.



HIGH INTEGRATION

Separate design for the electrical compartment and battery compartment, Easy maintenance. Modular design allows flexible capacity expansion to meet varying scale requirements. Liquid - cooled battery systems of the same capacity save 40% land occupation.