

All-in-One C&I Energy Storage System

50kW/112kWh & 125kW/241kWh | Air Cooling



All-in-One Design

Integrating battery, PCS, PV inverter, EMS, power distribution, ECS, AC and fire protection systems.



Modular & Expandable

Optional external hybrid inverter, multi-brand compatible, supports parallel operation for easy capacity expansion.



Multi-Energy Integration

Supports solar, diesel generator, and grid charging to achieve multi-energy complementarity.



Safe and Reliable

Full protection including anti-islanding, over-current, short-circuit, DC reverse-polarity; CE & UN38.3 certified.

Product Model	YR-GJY50-L3-112	YR-GJY125-L3-241
Battery Data		
Cell type	LFP 3.2 V / 314 Ah (0.5P/0.5C)	
System battery configuration	112S1P	240S1P
Nominal energy	112 kWh (0.5P/0.5C)	241 kWh (0.5P/0.5C)
Nominal voltage	358.4 V	768 V
Nominal voltage Range	313.6 V ~ 403.2 V	672 V ~ 864 V
System Parameter		
Air conditioner power	2kW (cooling capacity), 1kW (heating capacity)	3kW (cooling capacity), 2kW (heating capacity)
Communication	CAN / RS485	
Cycle Life	6,000 cycles at 25°C, 0.5C, 90% DOD, with ≥80% capacity retention.	
Cooling method	Intelligent air cooling	
Fire suppression system	Aerosols, explosion-proof ventilation	
Operation temperature range	Charging: 0~60°C (derating above 45°C) Discharging: -20~65°C (derating above 45°C)	
Operation humidity range	0-95% no condensation	
Max. operating altitude	3000 m	3000 m
IP rating	IP56	IP55
Anti-corrosion degree	C4	C4
Dimensions (W × D × H)	800 × 1513 × 2350 mm	1200 × 1500 × 2350 mm
Weight	≈ 1500 kg	≈ 3000 kg
Compatible inverters	Solis / Deye / Growatt / Goodwe / Afore / Solinteg	
Inverter (Optional)		
Rated output power	50 kW (Solis S6-EH3P50K-H)	125 kW (Solis S6-EH3P125K10)
Applications		
Peak shaving & load shifting for commercial facilities PV + Storage distributed energy projects Backup power for commercial complexes and data rooms Small-scale industrial microgrids Regions with high electricity tariffs or unstable grids		



50 kW/112 kWh & 125 kW/241 kWh C&I Energy Storage Systems Support DC-side expansion (up to 12 units), optional hybrid inverters. With integrated air cooling, remote upgrades and intelligent energy management, the systems ensure reliable peak shaving and grid stability, ideal for micro-grids, commercial complexes, light industry, farms and distributed PV+ESS projects.

