

Hybrid **ESS** Cabinet

Commercial Energy Storage System

LIPAL



Tell:+86 551 6586 5992

Web: Sunpalgroup.com

Add:No. 398 Ganquan Road,Hefei,Anhui,China



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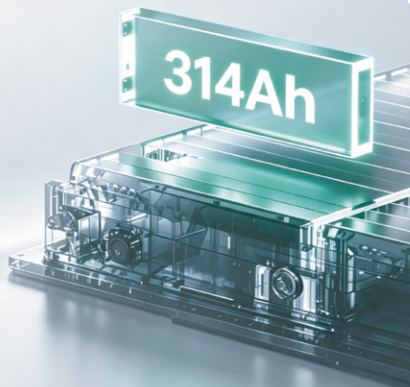
LiPal Hybrid ESS Cabinet

ALL IN ONE LIQUID-COOLED ESS CABINET, ECO-B261LP-2H is Sunpal's compact PV-plus ESS solution, built on its expertise in ESS integration and digital monitoring. With an all-in-one design, it integrates lithium battery ESS, hybrid inverter, HVAC, FSS, BCQ and more. It features a compact structure, easy installation, flexible capacity expansion, and supports self-consumption, peak shaving, and backup power modes



LiFePO4

LFP314Ah battery cell system integration, leading cost advantage, 3S fusion



PV Utilization Capability

Supports up to 250 kW PV input with wideMPPT voltage range for flexible PV system design.



Easy O&M

Support multiple ways of operation and maintenance, including onsite, cloud.



Safe & Reliable

IP55, optimized ventilation design, temperature difference with in 6 C.



Versatile

Support multiple brands of hybrid inverter, with higher selectivity.



Expandable

Easy modular design supports parallel connection for convenient system expansion.



Model	ECO-B261LP-2H					
DC Side						
Cell Type	LFP / 314Ah					
Pack Configuration	52.2kWh/1P52S					
System Configuration	261 kWh/1P260S					
Rated DC Voltage	832V					
DC Voltage Range	728~936V					
Max. Charge/Discharge Rate	0.5P					
Max. Depth of Discharge	100% (25 + 2°C)					
Cycle Life	≥ 8,000 cycles					
AC Side						
Rated Output Power	75kW	80kW	99.9kW	100kW	125kW	
Rated AC Voltage	400V					
AC Voltage Range	±15%					
Grid Type	3W+N+PE					
Rated Frequency	50Hz/60Hz					
Power Factor	0.99/-0.8 ~ +0.8					
THDi	≤3%					
DC Ratio	<0.5%I _{pn}					
General						
Max. Round Trip Efficiency	90%					
Communication	Modbus TCP/IP					
Fire Suppression System	Aerosol					
Ingress Rating	IP55					
Cooling	Liquid cooling+Forced air cooling					
Operating Temperature	-25°C ~55°C (Derating after 45 °C)					
Anticorrosion Rating	C4 (C5 optional)					
Humidity	0~95% RH (non-condensing)					
Altitude	3000m (Derating above 2000m)					
Dimensions (W*D*H)	1,050*1,350*2,400 mm					
Weight	2,600 kg					
Safety/EMC	UN38.3,IEC62619,IEC63056,IEC62477-1,IEC61000-6-2/4					
Grid code	EN50549-1/-10,EN50549-2/-10,G99,VDE4105,NRS097,C10/11					
PV Input						
Max.input power	150kW	160kW	200kW	200kW	250kW	
PV Voltage Range	150V~950V					
MPPT	10					
MAX. Input Current	40A*10					



Sunpal Power Co., Ltd.

Add: No. 398 Ganquan Road, Hefei, Anhui, China.

Web: www.sunpalpower.com

Email: info@sunpalpower.com

Tel: +86 551 6586 5992



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