Sunpal

V 2.0 Commercial
Energy Storage System

Hybrid ESS Cabinet

Commercial Energy Storage System

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ECO-B64WX

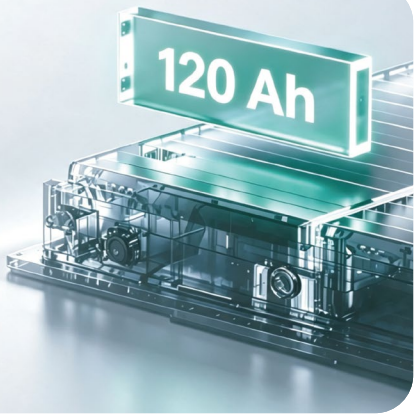
Commercial Energy Storage System

AirPal Hybrid ESS Cabinet

ALL IN ONE AIR-COOLED ESS CABINET，ECO-B64WX 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.

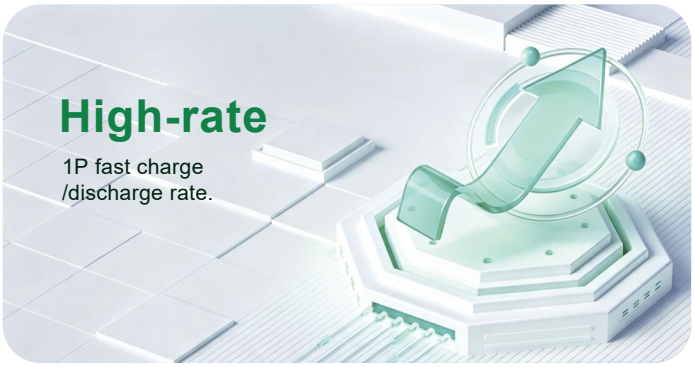
LiFePO4

LFP120Ah battery cell system integration, leading cost advantage, 3S fusion



High-rate

1P fast charge /discharge rate.

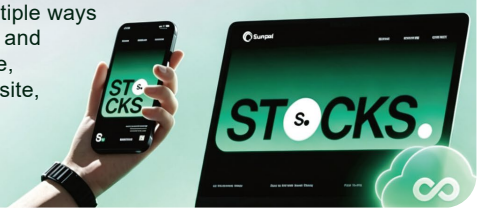


Warranty

Core components come with 10-year warranty. Modular design supports parallel connection for easy system expansion.

Easy O&M

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



Versatile

Support multiple brands of hybrid inverter, with higher selectivity.

Expandable

Easy modular design supports parallelconnection for convenient systemexpansion.

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ECO–B64WX

Model	ECO-B64WX				
DC Side					
Cell Type	LFP / 120 Ah				
Pack Configuration	9.216 kWh /1P24S				
System Configuration	64.512 kWh /1P168S				
Rated DC Voltage	537.6 V				
DC Voltage Range	470.4 ~ 604.8 V				
Max. Charge/Discharge Rate	0.8 P				
Max. Depth of Discharge	100% (25 ± 2℃)				
Cycle Life	≥ 5,500 cycles				
AC Side					
Rated Output Power	25kW	30kW	36kW	40kW	50kW
Rated AC Voltage	400 V				
AC Voltage Range	±15%				
Grid Type	3W+N+PE				
Rated Frequency	50Hz/60Hz				
Power Factor	0.99/ -1 ~ +1				
THDi	≤3%				
DC Ratio	＜ 0.5%Ipn				
General					
Max. Round Trip Efficiency	87%				
Communication	Modbus TCP/IP				
Fire Suppression System	Aerosol				
Ingress Rating	IP55				
Cooling	Air cooling				
Operating Temperature	-25℃ ~55℃ (Derating after 45℃)				
Anticorrosion Rating	C4 (C5 optional)				
Humidity	0~95% RH (non-condensing)				
Altitude	3000m (Derating above 2000m)				
Dimensions (W*D*H)	800*1,200*2,030 mm				
Weight	1,000 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	37.5kW	45kW	54kW	60kW	75kW
PV Voltage Range	200V~850V				
MPPT	4				
MAX. Input Current	30A*4				

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