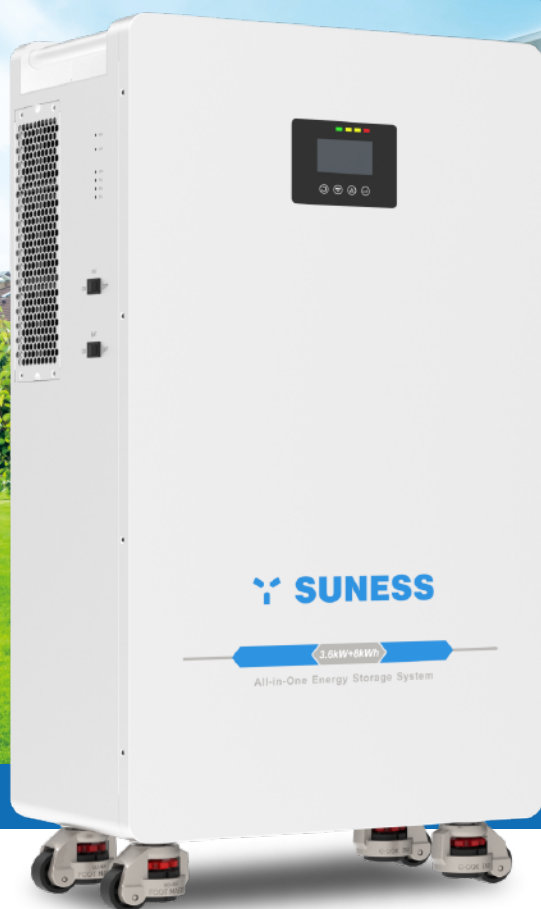




All-in-One ESS

3600W+8000Wh

Product features

- **3 in 1 Household ESS**

Intelligent EMS & PCS
& BMS

- **Class-A LiFePO4 Battery**

6000 Life Cycle , Up to 8-10 Years
LiFePO4 Battery, High Safety
and Performance

- **Ultra-large Capacity**

8000Wh LiFePO4 Battery
Back-up Time up to 2Hours

- **High Compatibility**

33% more surge power has
better protection function
forspecial application
scenarios such as refrigerator,
air conditioner and water pump.

- **High Performance Inverter**

UPS Class Switch time <10m
SIntelligent
Overload Protection Mode

- **More Convenient**

28A I_{max}.PV current better for
210 panels.
120A Maximum charging Current,
faster charging

Technical Specifications

Model	SUN 3600
Efficiency	
MPPT Tracking Efficiency	99.0%
Max. Battery Mode Conversion Efficiency	90.0%
PV Input	
PV Maximum Input Power	6500W
Max. PV Open Circuit Voltage	500VDC
MPPT Range Operating Voltage	40~450VDC
Max. Solar Input Current	18A
AC Input	
Nominal voltage	220/230/240; L+N+PE
Voltage Range	90~280 ±3(normal mode); 170~280 ±3(UPS mode)
Frequency	50 /60 Hz (Auto Adaptive)
AC Output	
Nominal AC Output Power (Inverter Mode)	3600W
Max. Output Apparent Power (Inverter Mode)	3600VA
Nominal AC Output Voltage(Inverter Mode)	230VAC
Total Voltage Harmonic Distortion (Inverter Mode)	<3%
Nominal AC Output Current (Inverter Mode)	16.4A
Max. Output AC Output Current Limit(Inverter Mode)	23A (3 seconds)
Nominal AC Frequency	50Hz
Switch Time	<10mS
Surge Power	5400VA (3 seconds)
Overload Capacity	105%~150%,after 3 seconds shutdown 150%~200%, after 0.2 second shutdown
Battery	
Battery Type	LiFePO4
Rated Battery Voltage	25.6VDC
Rated Capacity	314Ah
Battery Energy	8.038kWh
Cycle Life	6000
General Data	
Operating Temperature Range	-10~+55°C, >40°C Power Derating
Max. Operating Altitude	4000m,>2000m Power Derating
Feed to Grid	Support
Cooling Method	Intelligent fan Cooling
Noise	< 47dB(1m)
Authentication Level	IEC62619/IEC62368/UN38.3
Protection	
Battery Fuse	Yes
Grid OVP	Yes
PV Over Voltage Protection	Yes
Overload Protection	Yes
Short Circuit Protection	Yes
Over Temperature Protection	Yes
Surge Protection	DC:Type II,AC:Type III

* Specifications are subject to change without prior notice.

 **ADD:** 2505, 25F, Xinghe WORLD Building F,No. 1 Yabao Road, Bantian Street, Longgang District, Shenzhen, China

 **Tel:** +86 755 2850 2100  **Web:** www.suness.com

