

LFP 5000

51.2V 100Ah

RECHARGEABLE LITHIUM BATTERY



High inverter compatibility



Natural cooling system



Scalable up to 80kWh 16 (Parallel)



CANbus standard connection



IP20 Rating
Triple hardware protection



Cells cycle times ≥ 6000 cycles



Smart BMS system to optimize the performance

 **SUNKET - ESS**

Electrical Characteristics

LFP 5000













Module Type	LFP 5000
Nominal Energy (at 25 °C)	5.12kWh
Usable Energy (90%DOD)	4.6kWh
Nominal Dis-/ Charge Current	50A / 50A
Operating Voltage Range (V)	43~58V
Nominal Voltage	51.2Vd.c
Weight	49.5kg
Dimension(mm)	453×433×177mm
Certificates	CE,UN38.3,IEC62619,IEC63056
Operating Condition	Indoor
Operating Temperature Charge	0~50°C
Operating Temperature Discharge	-10~50°C
Humidity	Up to 90% (non- condensing)
Pollution Degree	3
Over Voltage Category	II
Cooling Type	Natural cooling
IP Rating	IP20
Protective Class	I
Max. Number in Parallel	16
Cycle Life	≥ 6000 (@25°C ± 2°C , 0.5P / 0.5P, 70% EOL)
Communication Interface	CAN / RS485
Protection Mode	Triple hardware protection
Battery Protection	Over-current / Over-voltage / Short circuit / Under-voltage

Compatible Inverters

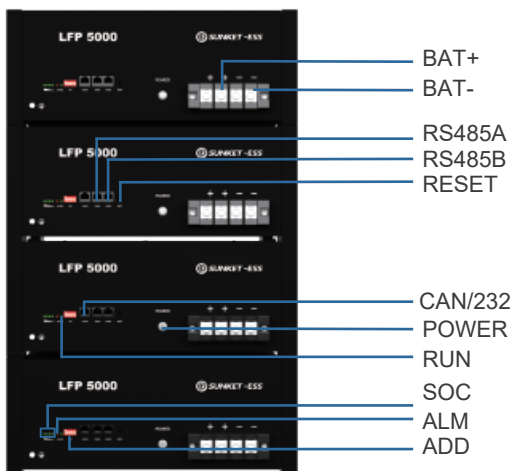
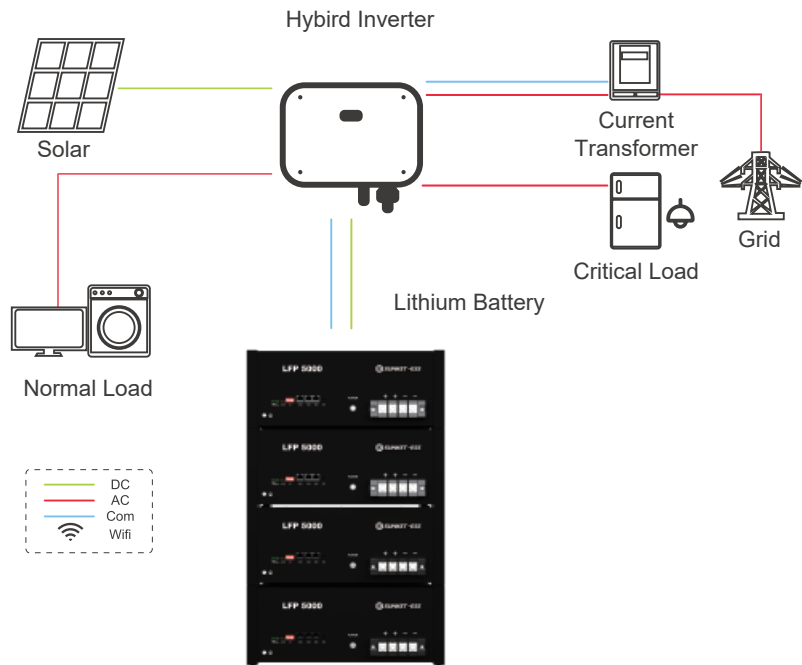


System Components

LFP 5000

Battery	Description
① USB to RS-485 Converter x1	
② Communication Line x1	
③ Screw x10	
④ Black power Cable x1	
⑤ Red power Cable x1	
⑥ Negative Parallel Harness x1	
⑦ Positive Parallel Harness x1	
⑧ Ground Wire x1	
⑨ Support Bracket x4	
⑩ Communication Line 0.3m x1	
⑪ User Manual x1	
⑫ Quality Report x1	

Low Voltage 5kWh Hybrid PV System:



- BAT+: Battery positive terminal connection position
- BAT-: Battery negative terminal connection position
- RS485A: RS485 interface, used for battery parallel communication, connecting RS485B of another battery
- RS485B: RS485 interface, used for battery parallel communication, connecting RS485A of another battery
- RESET: System Reset Switch, used to restart the Battery Management System.
- CAN/232: Inverter communication
- POWER: Power on or off the control battery
- RUN: Green LED lighting to show the battery running status
- SOC: The number of green lights shows the remaining power
- ALM: Red LED lighting to show the battery has been alarmed
- ADD: DIP switch

Battery Description

APP



Bluetooth APP Monitoring



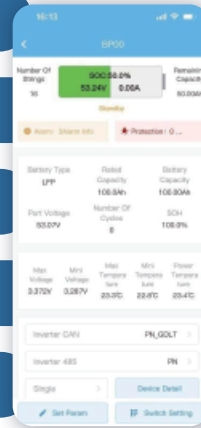
Portable Control



Low Power (Bluetooth LE)



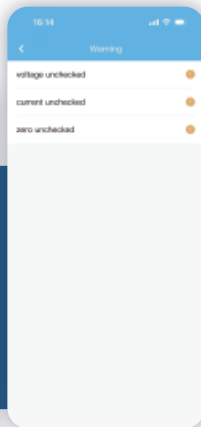
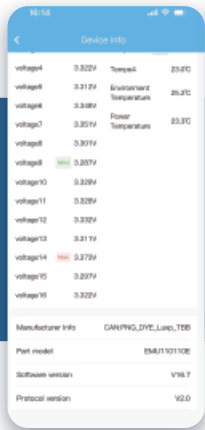
Local monitoring mode for battery



Quick Pairing



No Internet Needed



Intelligent Data Analysis

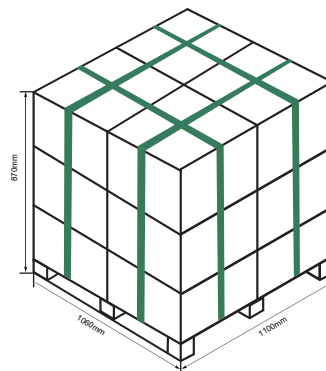


Real-time Equipment Monitoring

Packing Configuration

LFP 5000

Pallet Dimensions	1100x1060x870mm	
Container	20'GP	40'HQ
Pieces per Pallet	12	12
Pallets per Container	20	40
Pieces per Container	240	480



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PIECES
PALLET