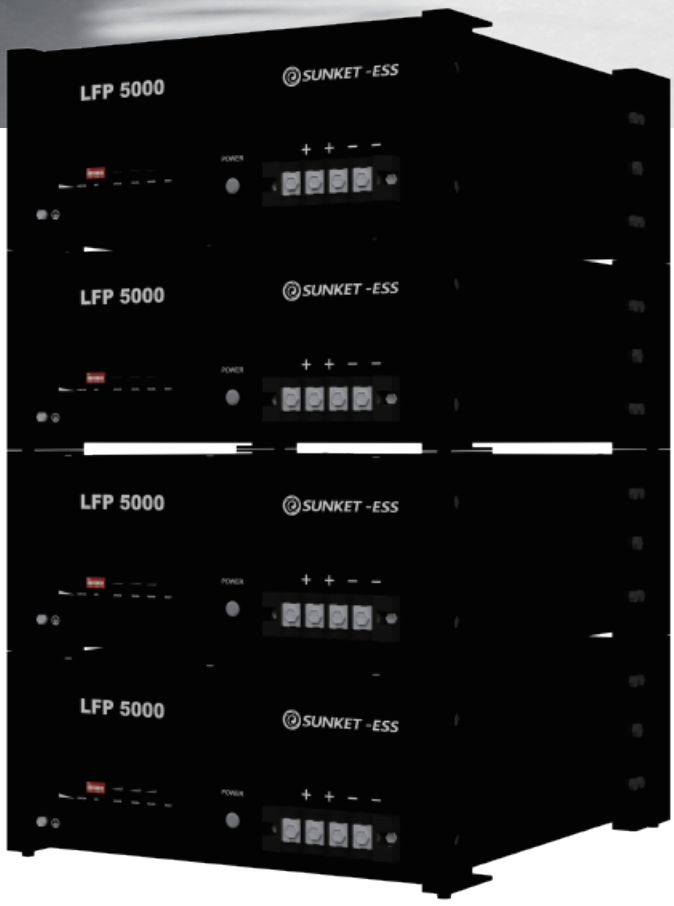
LFP 5000

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

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	UN38.3、EN IEC 61000、IEC 62619、IEC 63056
Operating Condition	Indoor
Operating Temperature Charge	0~50℃
Operating Temperature Discharge	-10~50℃
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

victron energy BLUE POWER
SOFAR
solis
Afore
GROWATT
LUXPOWER TEK
Deye
SMA

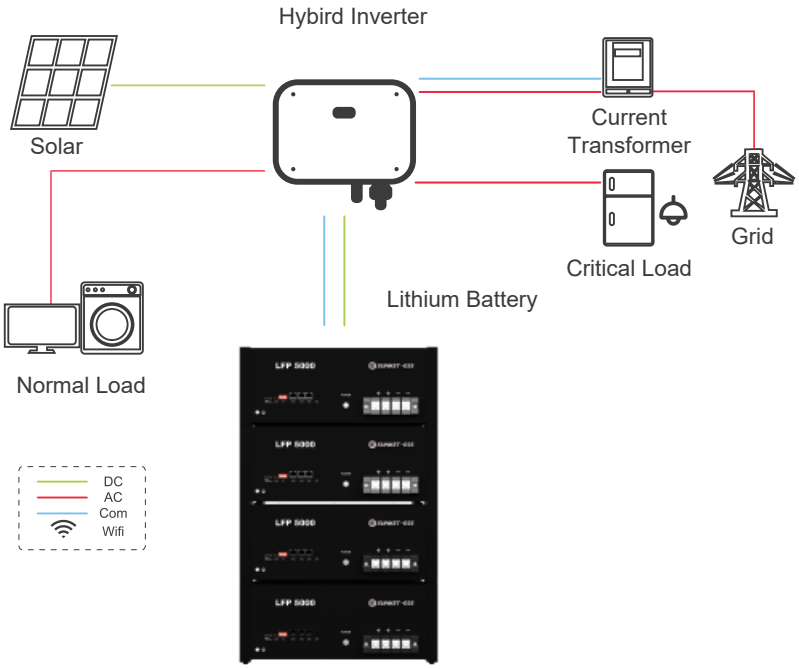
System Components

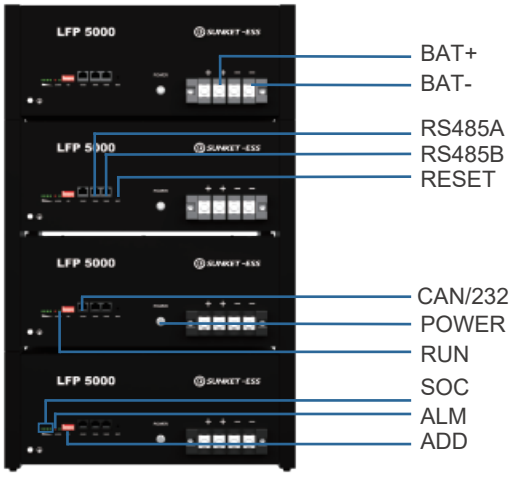
LFP 5000

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 Hybird 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

System Components

LFP 5000

Battery	Description

APP

Bluetooth APP Monitoring

Local monitoring mode for battery

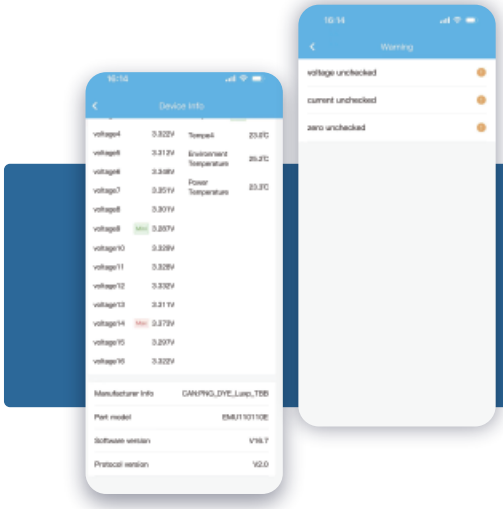


Quick Pairing

Portable Control

No Internet Needed

Low Power (Bluetooth LE)



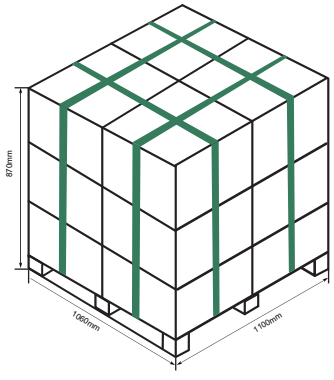
Intelligent Data Analysis

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



12 PIECES PALLET

Specifications are subject to change without further notification

SKT-EN-2026V1.0 ©Copyright 2026 Sunket