

LFP 16000 / LV

51.2V 314Ah

RECHARGEABLE LITHIUM BATTERY



Scalable up to
257kWh 16 (Parallel)
Single column, up to four layers



Smart BMS system to
optimize the performance



Cells cycle times
≥6000 cycles

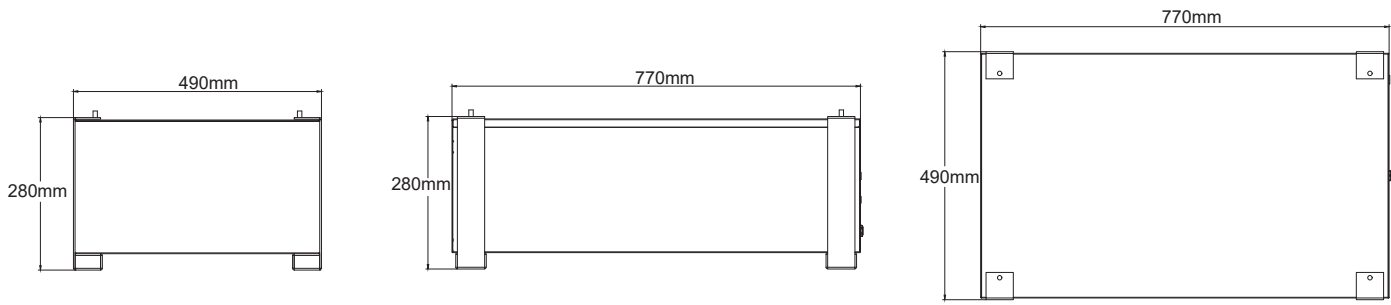


High inverter
compatibility



>15 Years life span

 **SUNKET - ESS**



Electrical Characteristics

LFP 16000 / LV

Module Type	LFP 16000 / LV
Nominal Energy (at 25°C)	16kWh
Usable Energy (90%DOD)	14.4kWh
Nominal Dis-/Charge Power	8kW
Peak Power ^(Only Discharge)	9.2kW for 3 seconds
Constant Current ^(Only Discharge)	157A
Operating Voltage Range	43~58V
Nominal Voltage	51.2Vd.c
Weight	120kg
Dimensions (mm)	770*490*280mm
Certificates	UN38.3
Operating Condition	Indoor
Operating Temperature Charge	From 0~45°C
Operating Temperature Discharge	From -10~50°C
Humidity	Up to 90% (non- condensing)
Pollution Degree	3
Over Voltage Category	II
Cooling Type	Natural cooling
IP Rating	IP 20
Protective Class	I
Max. Number of 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



Battery	Description
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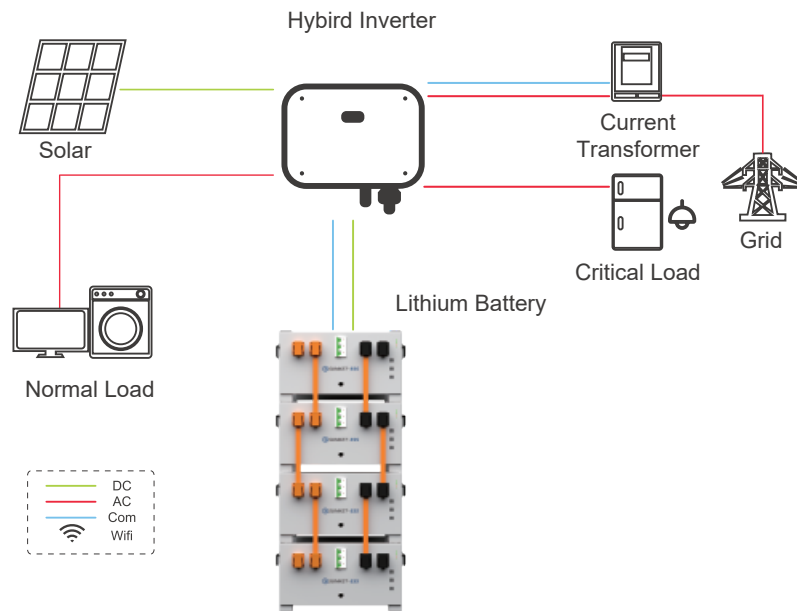
Standard configuration:

① Copper Busbar x2
② USB to RS-485 Converter x1
③ Communication Line 0.5m x1
④ Red Power Cable x1
⑤ Black Power Cable x1
⑥ Screw M5 x20

⑦ Screw M8x4
⑧ Support Bracket x4
⑨ User Manual x1
⑩ Quality Report x1



Low Voltage 16kWh Hybrid PV System:



- BAT+: Battery positive terminal connection position
- BAT-: Battery negative terminal connection position
- CAN: Inverter communication
- 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
- POWER: Power on or off the control battery
- SWITCH: On or off the current circuit

Battery Description

APP



Bluetooth APP Monitoring



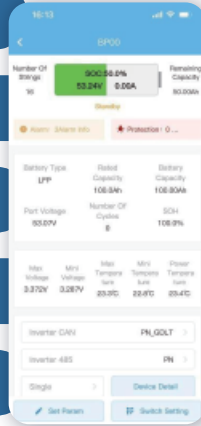
Portable Control



Low Power (Bluetooth LE)



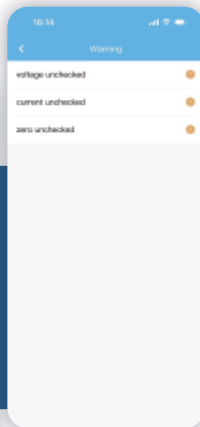
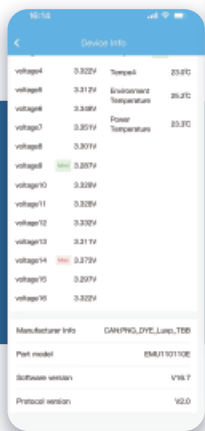
Local monitoring mode for battery



Quick Pairing



No Internet Needed



Intelligent Data Analysis



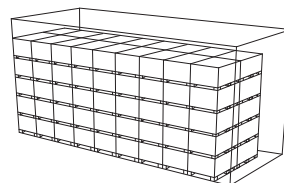
Real-time Equipment Monitoring

Packing Configuration

LFP 16000 / LV

Wooden Box Dimensions	900×616×450mm	
Container	20'GP	40'HQ
Pieces per Wooden Box	1	1
Wooden Box per Container	90	180
Pieces per Container	90	180

20'GP

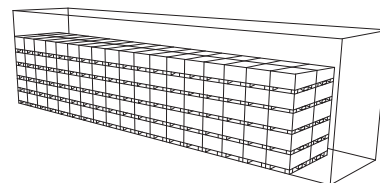


90

PIECES

CONTAINER

40'HQ



180

PIECES

CONTAINER