LFP 16kWh / LV

51.2V 314Ah

RECHARGEABLE LITHIUM BATTERY

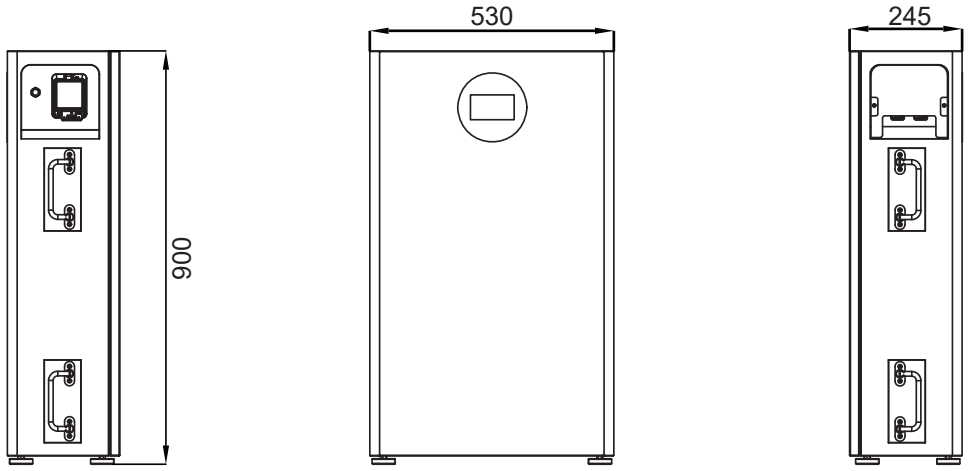




- Scalable up to 257kWh 16 (Parallel)
- IP65 Rating
  Triple hardware protection
- Smart BMS system to optimize the performance
- Cells cycle times ≥6000 cycles
- Breakthrough Space Utility
  Uncompromised Power

SUNKET -ESS

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Electrical Characteristics

LFP 16kWh / LV

Module Type	LFP 16kWh / LV
Nominal Energy (at 25°C)	16.0768kWh
Usable Energy (90%DOD)	14.4kWh
Nominal Dis-/ Charge Power	8kW
Peak Power(Only Discharge)	9.2kW for 3 seconds
Max Charge Current	157A
Operating Voltage Range	43.2~58.4V
Nominal Voltage	51.2Vd.c
Weight	120kg
Dimensions (mm)	530*900*245mm
Certificates	UN38.3、IEC61000、IEC62619、IEC63056、UL9540、UL9540A、UL1973
Operating Condition	Indoor or outdoor
Operating Temperature Charge	From 0~60°C
Operating Temperature Discharge	From -30~60°C
Humidity	Up to 90%（non- condensing）
Pollution Degree	3
Over Voltage Category	II
Cooling Type	Natural cooling
IP Rating	IP 65
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

MEGAREVO GROWATT solis Deye victron energy Afore SOFAR AmenSolar LUXPOWER TEK

System Components

LFP 16kWh / LV

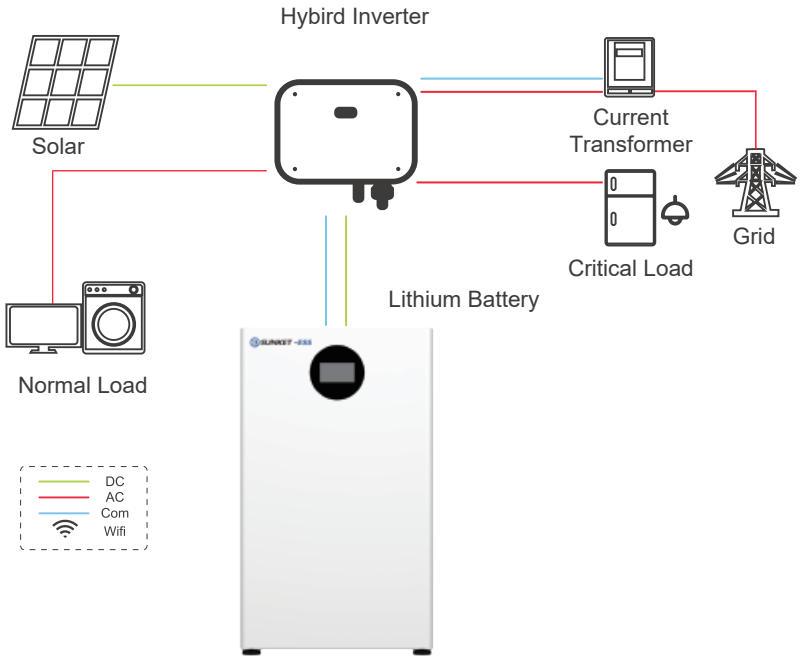
Battery	Description

Standard configuration:

① User Manual x1	⑦ Communication Line x1
② Quality Report x1	⑧ Red Power Cable x1
③ Screw M6 x1	⑨ Ground Wire x1
④ Screw M4 x2	⑩ Black Power Cable x1
⑤ USB to RS-485 Converter x1	
⑥ Protective Cover x1	



Low Voltage 16kWh Hybird PV System:







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

System Components

LFP 16kWh / LV

Battery	Description

APP



Local monitoring mode for battery

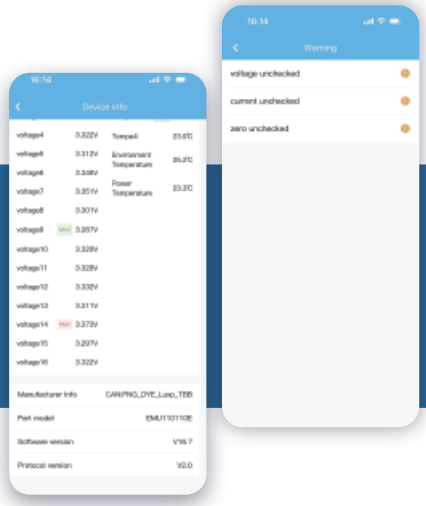
Bluetooth APP Monitoring

Quick Pairing

Portable Control

No Internet Needed

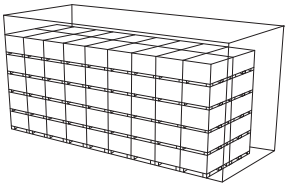
Low Power (Bluetooth LE)



Intelligent Data Analysis

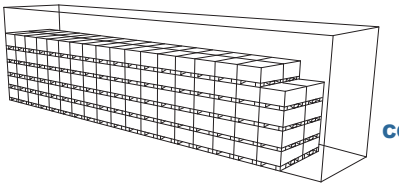
Real-time Equipment Monitoring

Packing Configuration



20'GP

90 PIECES CONTAINER



40'HQ

178 PIECES CONTAINER

Packing Configuration

Wooden Box Dimensions	1016×591×410mm	
Container	20'GP	40'HQ
Pieces per Pallet	1	1
Pallets per Container	90	178
Pieces per Container	90	178

Specifications are subject to change without further notification

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