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

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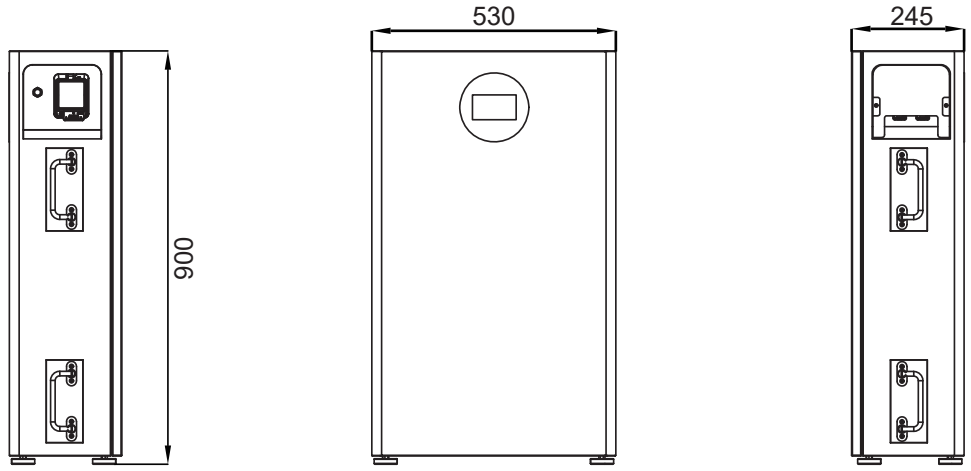


Electrical Characteristics

LFP 16kWh / LV

Module Type	LFP 16kWh / LV
Nominal Capacity (at 25°C)	16kWh
Usable Capacity (90%DOD)	14.4kWh
Nominal Dis-/ Charge Power	10kW
Peak Power(Only Discharge)	11.6kW for 3 seconds
Max Charge Current	200A
Operating Voltage Range	43.2~58.4V
Nominal Voltage	51.2Vd.c
Weight	120kg
Dimensions (mm)	530*900*245mm
Certificates	UN38.3 / 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
Warranty	10 years
Life Span	>15 years
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 BLUE POWER SOFAR SOLAR Afore 艾伏 AmenSolar LUXPOWER TEK

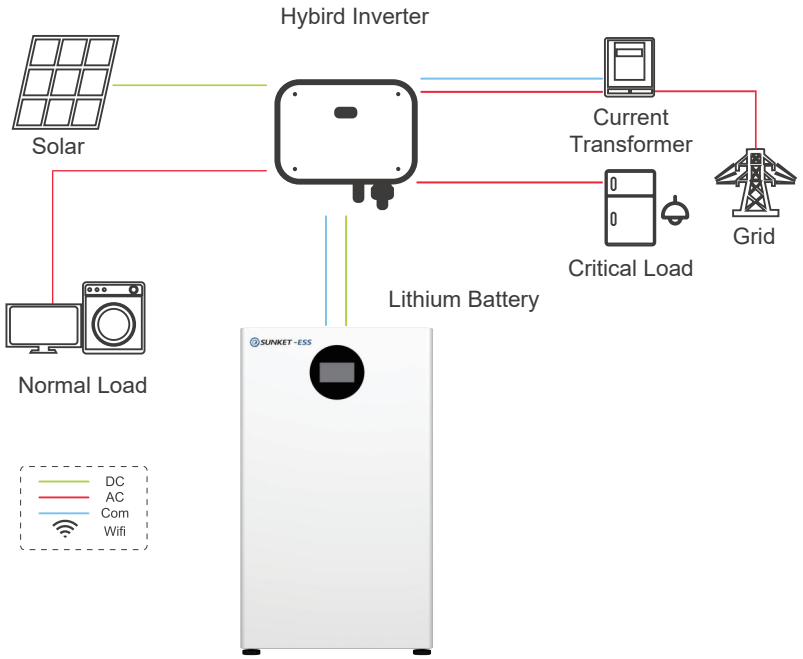
Battery	Description

Standard configuration:

① User Manualx1	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:







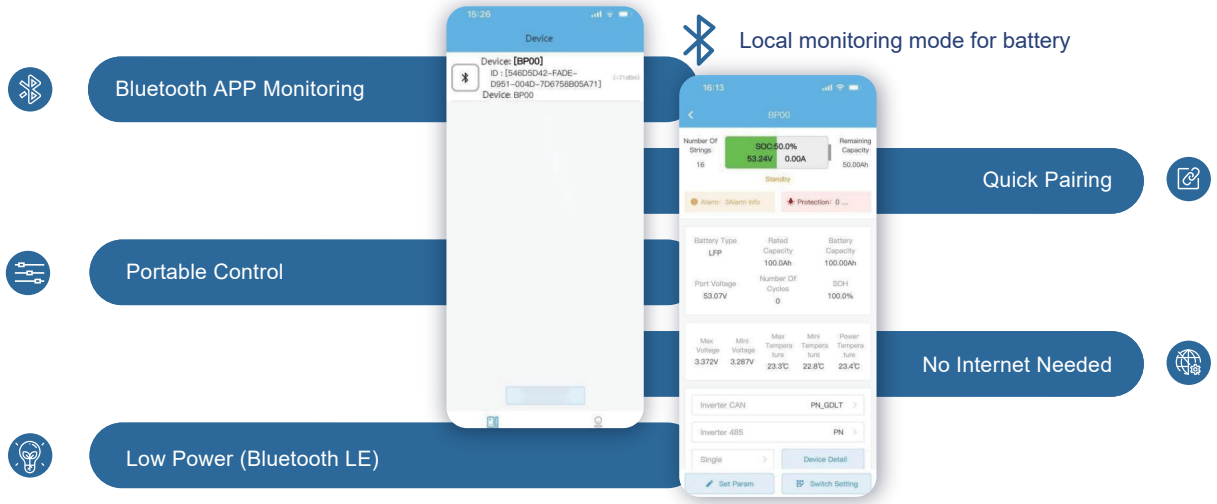
- SWITCH: On or off the current circuit
- CAN: Inverter communication
- RS485A: RS45 interface, used for battery parallel communication, connecting RS485B of another battery
- RS485B: RS45 interface, used for battery parallel communication, connecting RS485A of another battery
- BAT+: Battery positive terminal connection position
- BAT-: Battery negative terminal connection position
- POWER: Power on or off the control battery

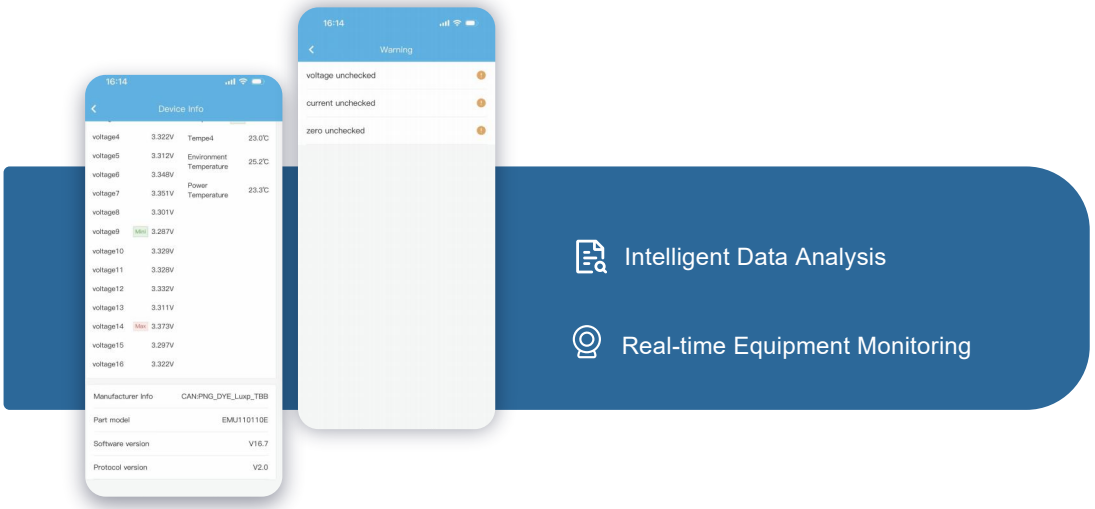
System Components

LFP 16kWh / LV

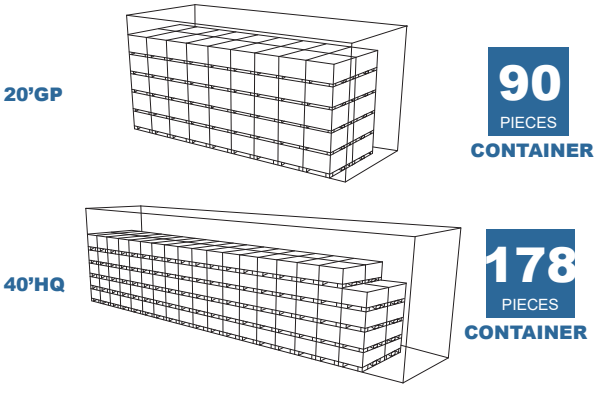
Battery	Description

APP





Packing Configuration



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

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