

LFP 5-10kWh / LV

51.2V 100/200Ah

RECHARGEABLE LITHIUM BATTERY

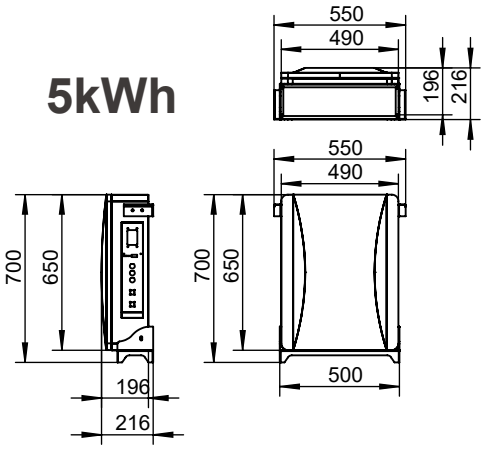
- High inverter compatibility
- Bluetooth responds quickly
- >15 Years life span
- Reliable LFP cells
- Scalable up to 160kWh 16 (Parallel)
- Cells cycle times 6000 cycles
- CANbus standard connection
- IP65 Rating
  Triple hardware protection
- Smart BMS system to optimize the performance

SUNKET -ESS

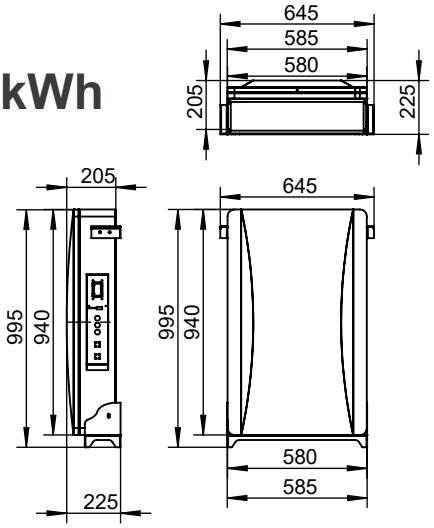
SUNKET -ESS

LFP 5-10kWh / LV
51.2V 100/200Ah

5kWh



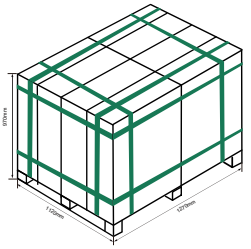
10kWh



Electrical Characteristics

Module Type	LFP 5kWh / LV	LFP 10kWh / LV
Nominal Energy (at 25 °C)	5.12kWh	10.24kWh
Usable Energy (90%DOD)	4.6kWh	9.2kWh
Nominal Dis-/Charge Power	2.5kW	5kW
Peak Power(Only Discharge)	2.9kW for 3 seconds	5.8kW for 3 seconds
Constant Current(Only Discharge)	50A	100A
Operating Voltage Range (V)	43.2~58.4V	43.2~58.4V
Nominal Voltage	51.2Vd.c	51.2Vd.c
Weight	58kg	109kg
Dimension(mm)	490(550)*650(700)*196(216)mm	585(645)*940(995)*205(225)mm
Certificates	CE,UN38.3,IEC62619,IEC63056	CE,UN38.3,IEC62619,IEC63056

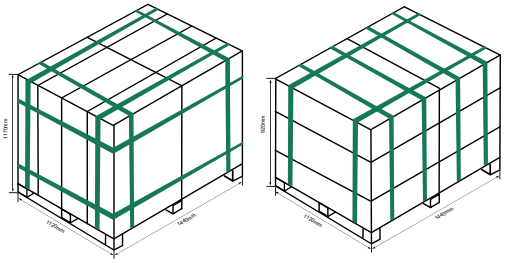
Operating Condition	Indoor or outdoor
Operating Temperature Charge	0~45°C
Opearting Temperature Discharge	-10~50°C
Humidity	Up to 90%（non- condensing）
Pollution Degree	3
Over Voltage Category	II
Cooling Type	Natural cooling
IP Rating	IP 65
Protective Class	I
Max. Number of Parallel	16
Cycle Life	≥ 6000 (@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



8 PIECES PALLET

Packing Configuration (LFP 5kWh / LV)

Pallet Dimensions	1270x1120x970mm	
Container	20'GP	40'HQ
Pieces per Pallet	8	8
Pallets per Container	16	36
Pieces per Container	128	288



8/6 PIECES PALLET

Packing Configuration (LFP 10kWh / LV)

Pallet Dimensions	1440x1120x1170(920)mm	
Container	20'GP	40'HQ
Pieces per Pallet	8/6	8
Pallets per Container	8 (8pcs/pallet)+6 (6pcs/pallet)	28
Pieces per Container	96	224

Compatible Inverters

Deye victron energy GROWATT Amensolar solis Afore SOFAR SMA LUXPOWER TEK

sunket.com
sales@sunket.cn

Specifications are subject to change without further notification
SKT-EN-2026V1.0 ©Copyright 2026 Sunket