

LFP 5000

51.2V 100Ah

RECHARGEABLE LITHIUM BATTERY

- High inverter compatibility
- Natural cooling system
- >15 Years life span
- Reliable LFP cells
- Scalable up to 80kWh 16 (Parallel)
- Cells cycle times ≥6000 cycles
- CANbus standard connection
- IP20 Rating
  Triple hardware protection
- Smart BMS system to optimize the performance

SUNKET -ESS

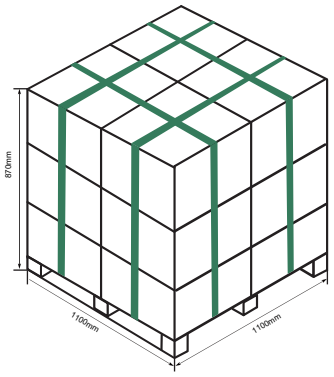
SUNKET -ESS

LFP 5000
51.2V 100Ah

Electrical Characteristics

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	CE,UN38.3,IEC62619,IEC63056

Operating Condition	Indoor
Operating Temperature Charge	0~50°C
Operating Temperature Discharge	-10~50°C
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



12 PIECES PALLET

Packing Configuration

Pallet Dimensions	1100x1100x870mm	
Container	20'GP	40'HQ
Pieces per Pallet	12	12
Pallets per Container	20	40
Pieces per Container	240	480

Compatible Inverters

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

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