



**LFP 5000**  
**51.2V 100Ah**  
 RECHARGERABLE 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

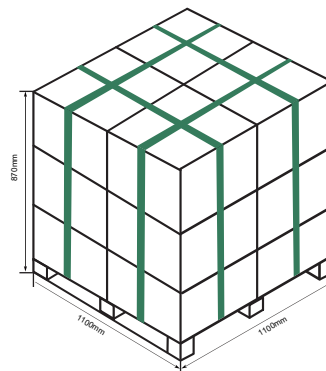
**TÜV CE UN 38.3**

**SUNKET<sup>®</sup>-ESS**

### Electrical Characteristics

Module Type	LFP 5000
Nominal Capacity (at 25 °C)	5.12kWh
Usable Capacity ( 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	0~45°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
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



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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

