



LFP 5000

51.2V 100Ah

LiFePO4 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



MSDS
UN 38.3



SUNKET-ESS®

Electrical Characteristics

Module Type	LFP 5000
Total Energy*	5.12kWh
Usable Energy(DC)*	4.6kWh
Nominal Dis-/Charge Power	2.5kW
Peak Power(Only Discharge)	2.9kw for 3 second
Constant Current(Only Discharge)	50A
Voltage	43.2~58.4Vd.c
Nominal Voltage	51.2Vd.c
Nominal Current	50A
Max. Charge Current	50A
Max. Discharge Current	50A
Max. Charge Voltage	58.4Vd.c
Weight	49.5kg
Dimension(mm)	453×433×177mm
Safety	UL,UN38.3,IEC62619,IEC63056

Max.recommended DOD	90%
Operating Condition	Indoor
Operating Charge Temperature	From 0~45 °C
Discharge Temperature	From -10~50 °C
Storage Temperature	From -20~50 °C
Humidity	4~100% (No condensed water)
Pollution Degree	3
Over Voltage Category	II
Cooling Type	Natural cooling
Case Material	Metal
IP rating	IP20
Protective Class	I
Max. Number of Parallel	16
Warranty	10 years
Life Span	>15 years
Communication	CAN/RS485
Protection Mode	Triple hardware protection
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage
Hazardous Material Classification	9

Compatible Inverters

