

LFP 3000 / HV

57.6V 50Ah Each block

RECHARGERABLE LITHIUM BATTERY



High inverter compatibility



Home Automation



>15 Years life span



Reliable LFP cells



WiFi Communication



Cells cycle times
6000 cycles



CANbus standard connection



IP54 Rating
Triple hardware protection

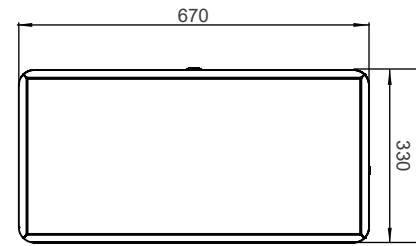
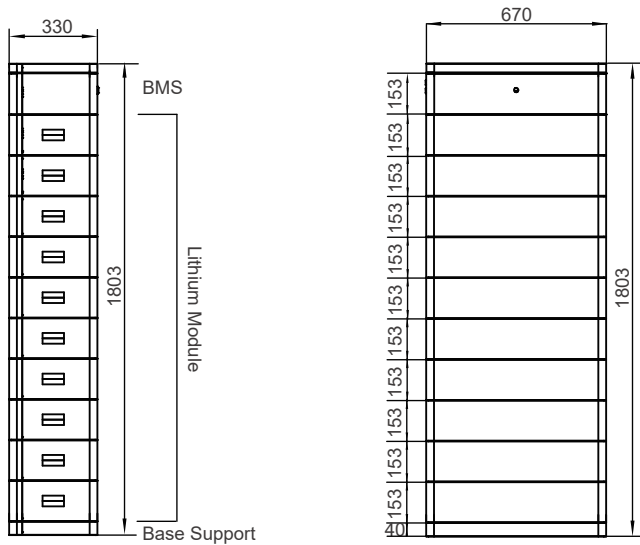


Smart BMS system to optimize the performance



CE UN 38.3

 **SUNKET[®]-ESS**

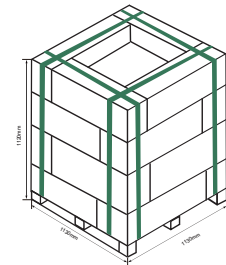


Min Capacity: 3 Lithium Modules & BMS
Max Capacity: 10 Lithium Modules & BMS

Electrical Characteristics

Module Type	LFP 9kWh/HV	LFP 12kWh/HV	LFP 15kWh/HV	LFP 18kWh/HV	LFP 21kWh/HV	LFP 24kWh/HV	LFP 27kWh/HV	LFP 30kWh/HV
Nominal Capacity (at 25°C)	8.64kWh	11.52kWh	14.40kWh	17.28kWh	20.16kWh	23.04kWh	25.92kWh	28.80kWh
Usable Capacity (90%DOD)	7.78kWh	10.37kWh	13.00kWh	15.55kWh	18.14kWh	20.74kWh	23.33kWh	25.92kWh
Battery Module	LFP 3000 / HV : 57.6V 50Ah							
Number of Modules	3	4	5	6	7	8	9	10
Nominal Voltage	172.8V	230.4V	288V	345.6V	403.2V	460.8V	518.4V	576V
Operating Voltage Ranges	135-197.1V	180-262.8V	225-328.5V	270-394.2V	315-459.9V	360-525.6V	405-591.3V	450-657V
Nominal Dis-/Charge Current	50 / 25A							
Max. Charge Voltage	197.1V	262.8V	328.5V	394.2V	459.9V	525.6V	591.3V	657V
Weight	102kg	131kg	160kg	189kg	218kg	247kg	276kg	305kg
Dimension(mm)	670*330*697	670*330*855	670*330*1013	670*330*1171	670*330*1329	670*330*1487	670*330*1645	670*330*1803
Certificates	CE,UN38.3,IEC62619,IEC63056,IEC62477							

Operating Condition	Indoor or outdoor
Operating Temperature Charge	0~55°C
Operating Temperature Discharge	-20~55°C
Humidity	Up to 90% (non-condensing)
Pollution Degree	3
Over Voltage Category	II
Cooling Type	Natural cooling
IP Rating	IP 54
Protective Class	I
Warranty	10 years
Life Span	>15 years
Communication Interface	CAN/WIFI
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	1130x1130x1120mm	
Container	20'GP	40'HQ
LFP 9kWh/HV Pieces per Container	240Lithium Modules&80BMS	480Lithium Modules&160BMS
LFP 12kWh/HV Pieces per Container	256Lithium Modules&64BMS	512Lithium Modules&128BMS
LFP 15kWh/HV Pieces per Container	260Lithium Modules&52BMS	530Lithium Modules&106BMS
LFP 18kWh/HV Pieces per Container	270Lithium Modules&45BMS	540Lithium Modules&90BMS
LFP 21kWh/HV Pieces per Container	280Lithium Modules&40BMS	560Lithium Modules&80BMS
LFP 24kWh/HV Pieces per Container	280Lithium Modules&35BMS	568Lithium Modules&71BMS
LFP 27kWh/HV Pieces per Container	288Lithium Modules&32BMS	576Lithium Modules&64BMS
LFP 30kWh/HV Pieces per Container	290Lithium Modules&29BMS	580Lithium Modules&58BMS

Cooperation Partners

