LFP3000 / HV

57.6V 48Ah Each Battery PACK

RECHARGEABLE LITHIUM BATTERY



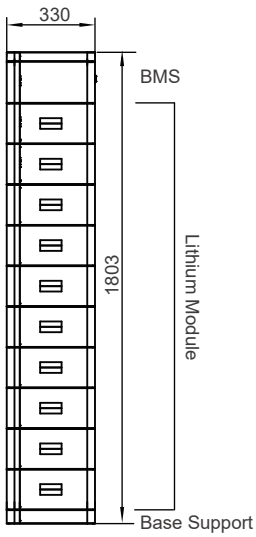


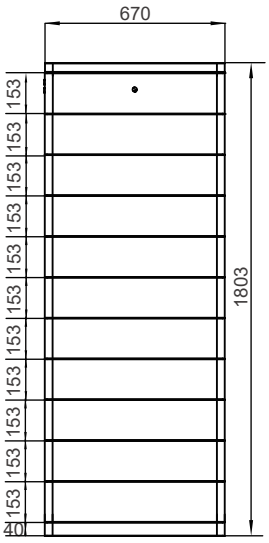
- High inverter compatibility
- WiFi Communication
- IP54 Rating
  Triple hardware protection
- >15 Years life span
- Cells cycle times
  ≥6000 cycles

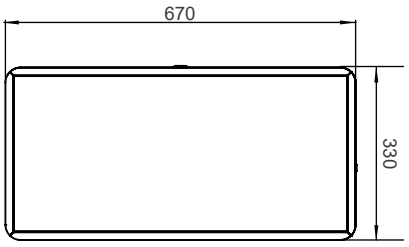
SUNKET -ESS

SUNKET -ESS

LFP3000 / HV
57.6V 48Ah







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

Electrical Characteristics

LFP3000 / HV

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 Energy (at 25°C)	8.29kWh	11.06kWh	13.82kWh	16.59kWh	19.35kWh	22.12kWh	24.88kWh	27.65kWh
Usable Energy (90%DOD)	7.46kWh	9.95kWh	12.43kWh	14.71kWh	17.41kWh	19.90kWh	22.38kWh	24.88kWh
Battery Module	LFP 3000 / HV : 57.6V 48Ah							
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	151.2-197.1V	201.6-262.8V	252-328.5V	302.4-394.2V	352.8-459.9V	403.2-525.6V	453.6-591.3V	504-657V
Nominal Dis-/Charge Current	48 / 24A							
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	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	-20~60°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							
Cycle Life	≥ 6000 (@25°C ± 2°C , 0.5P / 0.5P, 70% EOL)							
Communication Interface	CAN/WIFI							
Protection Mode	Triple hardware protection							
Battery Protection	Over-current / Over-voltage / Short-circuit / Under-voltage							

Cooperation Partners

Deye solis Afore GROWATT SOFAR SOLINTEG

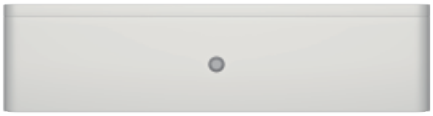
System Components

LFP3000 / HV

Model	Description

HVB1000V / 48A

Operating Voltage	204-1000V
Nominal Charge / Discharge Current	24 / 48A
Max.Charge / Discharge Current	24 / 48A
Operating Temperature Range	-20~60°C
Ingress Protection	IP54
Dimension (W/D/H)	670*330*233mm
Weight Approximate	10kg



High voltage box Standard configuration:

① Ground Wire x1	⑦ Terminal Block x2
② Red Power Cable 1.5m x1	⑧ Communication Line 1.5m x1
③ Black Power Cable 1.5m x1	⑨ User Manual x1
④ MC4 Terminal x1	
⑤ MC4 Terminal x1	
⑥ Waterproof Connector x2	



LFP3000 / HV

Battery Type	LiFePO4(LFP)
Nominal Voltage	57.6V
Rated Capacity	48Ah
Rated Energy	2.7648kWh
Nominal Charge / Discharge Current	24A /48A
Peak.Discharge Current	48A
Charge Temperature	0~60°C
Discharge Temperature	-20~60°C
Storage Temperature	-10~50°C
Ingress Protection	IP54
Dimension (W/D/H)	670 × 330 × 153mm
Weight Approximate	29kg



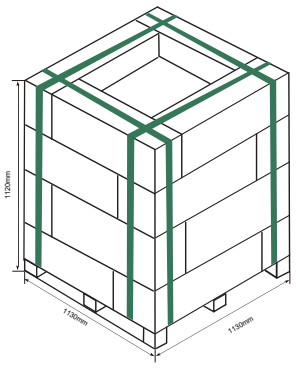
Battery module Standard configuration:

① Quality Report x1



Model	Description
Optional	
Optional 3m power cable	
Standard 3m commumication cable connected to the external device	
It can be stacked up to a maximum of 10 layers.	

Dimension (W/D/H)	670 × 330 × 1830mm
Weight Approximate	305kg



16 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

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