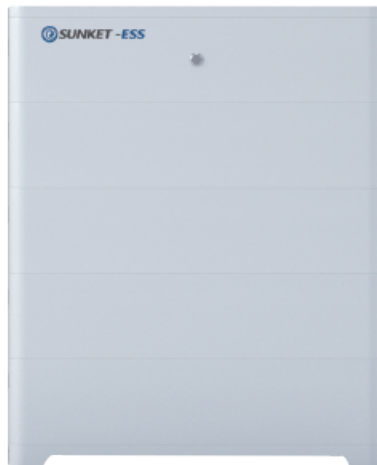
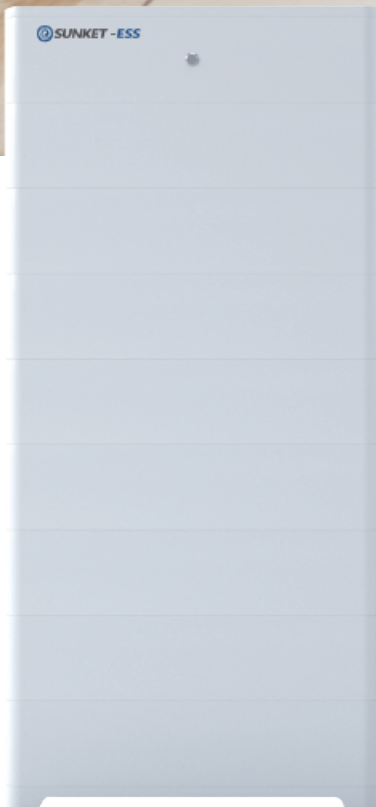


LFP3000 / HV

**57.6V 50Ah** Each block

RECHARGEABLE LITHIUM BATTERY



High inverter compatibility



WiFi Communication



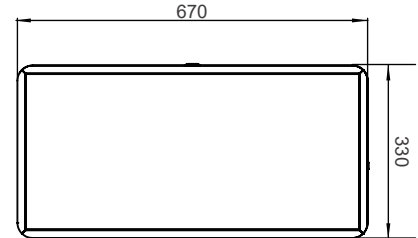
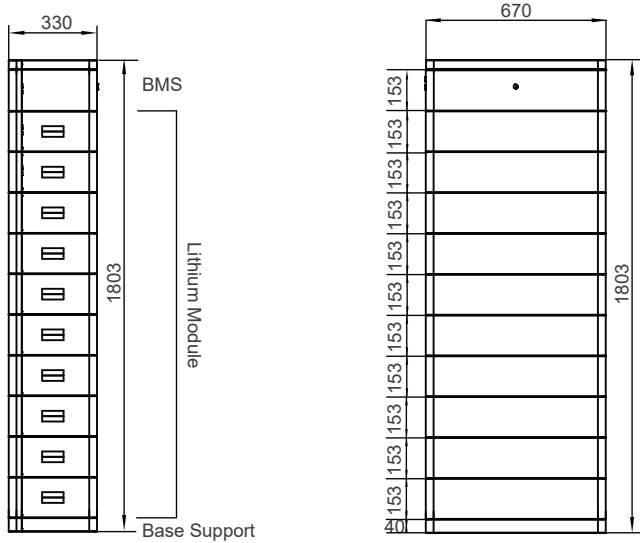
IP54 Rating  
Triple hardware protection



>15 Years life span



Cells cycle times  
≥6000 cycles



**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 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	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	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	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							

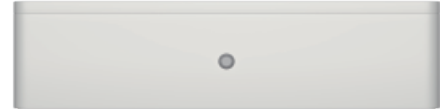
## Cooperation Partners



Model	Description
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## HVB1000V / 50A

Operating Voltage	204-1000V
Nominal Charge / Discharge Current	25 / 50A
Max.Charge / Discharge Current	25 / 50A
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
② Red Power Cable 1.5m x1
③ Black Power Cable 1.5m x1
④ MC4 Terminal x1
⑤ MC4 Terminal x1
⑥ Waterproof Connector x2

⑦ Terminal Block x2
⑧ Communication Line 1.5m x1
⑨ User Manual x1



## LFP3000 / HV

Battery Type	LiFePO4(LFP)
Nominal Voltage	57.6V
Rated Capacity	50AH
Rated Energy	2.88kWh
Nominal Charge / Discharge Current	25A /50A
Peak.Discharge Current	50A
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
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①

Model	Description
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**Optional**



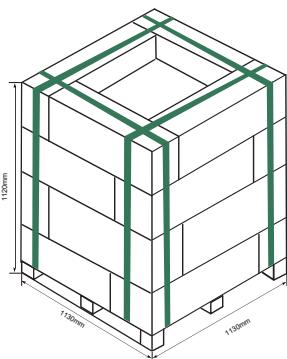
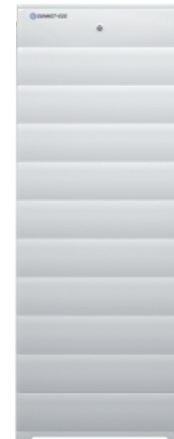
Optional 3m power cable



Standard 3m communication 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