

LFP 64-240kWh / HV

51.2V 314Ah Each Block

RECHARGEABLE LITHIUM BATTERY

- High inverter compatibility
- Natural cooling system
- >15 Years life span
- Reliable LFP cells
- Scalable up to 1000V
- Cells cycle times 6000 cycles
- CANbus standard connection
- IP20 Rating
  Triple hardware protection
- Smart BMS system to optimize the performance

UN 38.3

SUNKET®-ESS

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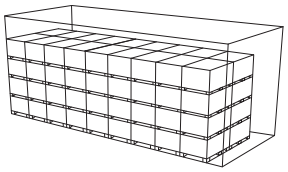
Electrical Characteristics

Module Type	LFP 64kWh/HV	LFP 80kWh/HV	LFP 96kWh/HV	LFP 112kWh/HV	LFP 128kWh/HV	LFP 144kWh/HV
Nominal Capacity(at 25℃)	64.31kWh	80.38kWh	96.46kWh	112.53kWh	128.61kWh	144.69kWh
Usable Capacity（90% DOD)	57.88kWh	72.35kWh	77.17kWh	101.28kWh	115.75kWh	130.22kWh
Battery Module	LFP 16000 / HV : 51.2V 314Ah					
Number of Modules	4	5	6	7	8	9
Nominal Voltage	204.8V	256.0V	307.2V	358.4V	409.6V	460.8V
Operating Voltage Ranges	172-232V	215-290V	258-348V	301-406V	344-464V	387-522V
Nominal Dis-/Charge Current	200 / 200A					
Weight	480.0kg	600.0kg	720.0kg	840.0kg	960.0kg	1080.0kg
Dimension(mm)	770*490*280					

Module Type	LFP160kWh/HV	LFP 176kWh/HV	LFP 192kWh/HV	LFP 208kWh/HV	LFP 224kWh/HV	LFP 240kWh/HV
Nominal Capacity(at 25 ℃)	160.77kWh	176.84kWh	192.92kWh	209.00kWh	225.08kWh	241.15kWh
Usable Capacity（90% DOD)	144.69kWh	159.16kWh	173.63kWh	188.10kWh	202.572kWh	217.04kWh
Battery Module	LFP 16000 / HV : 51.2V 314Ah					
Number of Modules	10	11	12	13	14	15
Nominal Voltage	512.0V	563.2V	614.4V	665.6V	716.8V	768.0V
Operating Voltage Ranges	430-580V	473-638V	503-696V	546-754V	589-812V	632-870V
Nominal Dis-/Charge Current	200 / 200A					
Weight	1200.0kg	1320.0kg	1440.0kg	1560.0kg	1680.0kg	1800.0kg
Dimension(mm)	770*490*280					

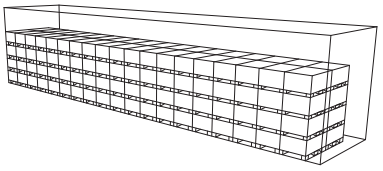
Operating Condition	Indoor
Operating Temperature Charge	From 0~45°C
Operating Temperature Discharge	From -10~50°C
Storage Temperature	From -20~50°C
Humidity	Up to 90% (non- condensing)
Pollution Degree	3
Over Voltage Category	II
Cooling Type	Natural cooling
IP rating	IP20
Protective Class	I
Max. Number in a cluster	15
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

20'GP



72 PIECES CONTAINER

40'HQ



152 PIECES CONTAINER

Packing Configuration

Wooden Box Dimensions	911×616×461mm	
Container	20'GP	40'HQ
Pieces per Wooden Box	1	1
Wooden Box per Container	72	152
Pieces per Container	72	152

Compatible Inverters

GROWATT, SOFAR SOLAR, SOLINTEG, solis, Deye, Afore艾伏, SMA

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Specifications are subject to change without further notification
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