

LFP 16000 / 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

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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	90.46kWh	112.54kWh	128.61kWh	144.69kWh
Usable Capacity（90% DOD)	57.9kWh	72.3kWh	86.8kWh	101.3kWh	115.8kWh	130.2kWh
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	179.2-227.2V	224.0-284.0V	268.8-340.8V	313.6-397.6V	358.4-454.4V	403.2-511.2V
Nominal Dis-/Charge Current	157 / 157A					
Weight	510kg	630kg	750kg	870kg	990kg	1110kg
Dimension(mm)	874*960*800	874*960*800	874*960*800	874*960*800	1311*960*800	1311*960*800

Module Type	LFP 160kWh/HV	LFP 176kWh/HV	LFP 192kWh/HV	LFP 208kWh/HV	LFP 225kWh/HV	LFP 241kWh/HV
Nominal Capacity(at 25 ℃)	160.77kWh	176.84kWh	192.92kWh	209.00kWh	225.08kWh	241.15kWh
Usable Capacity（90% DOD)	144.7kWh	159.2kWh	173.6kWh	188.1kWh	202.6kWh	217.0kWh
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	448.0-568.0V	492.8-624.8V	537.6-681.6V	582.4-738.4V	627.2-795.2V	672.0-852.0V
Nominal Dis-/Charge Current	157 / 157A					
Weight	1230kg	1350kg	1470kg	1590kg	1710kg	1830kg
Dimension(mm)	1311*960*800	1311*960*800	1748*960*800	1748*960*800	1748*960*800	1748*960*800

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

Compatible Inverters

GROWATT SOLINTEG SOFAR SOLAR solis iDeye Afore艾伏 SMA

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Specifications are subject to change without further notification
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