



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



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°C)	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 °C)	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

