

LFP 64-337kWh / HV

LFP 16000 / HV 51.2V 314Ah **Each Block**

RECHARGEABLE LITHIUM BATTERY

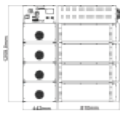
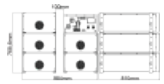
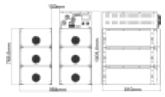
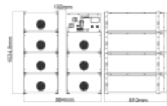
- High inverter compatibility
- Natural cooling system
- >15 Years life span
- Reliable LFP cells
- Flexible scaling
- Cells cycle times 6000 cycles
- CANbus standard connection
- IP20 Rating Triple hardware protection
- Smart BMS system to optimize the performance

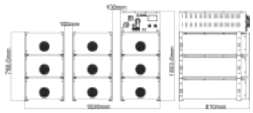
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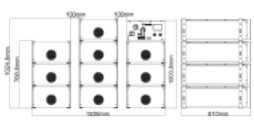
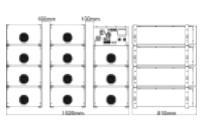
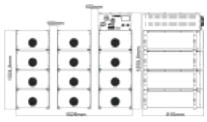
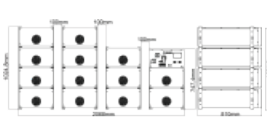
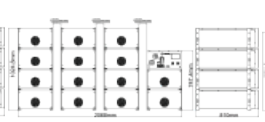
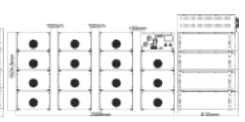
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Electrical Characteristics

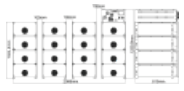
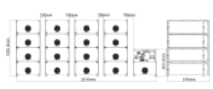
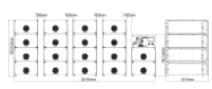
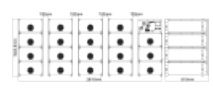
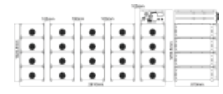
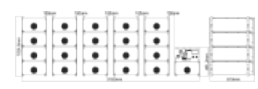







Module Type	LFP 64kWh/HV	LFP 80kWh/HV	LFP 96kWh/HV	LFP 112kWh/HV	LFP 128kWh/HV	LFP 144kWh/HV
Nominal Capacity(at 25°C)	64.31kWh	80.38kWh	90.46kWh	112.54kWh	128.61kWh	144.69kWh
Usable Capacity（90% DOD)	57.9kWh	72.4kWh	86.8kWh	101.3kWh	115.8kWh	130.2kWh
Battery Module	LFP 16000 / HV : 51.2V 314Ah					
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	179.2-230.4V	224.0-288.0V	268.8-345.6V	313.6-403.2V	358.4-460.8V	403.2-518.4V
Nominal Dis-/Charge Current	157A					
Weight	510(±10)kg	630(±10)kg	750(±10)kg	870(±10)kg	990(±10)kg	1110(±10)kg
Dimension(mm)	442*810*1259.8mm	884（+100 PACK distance）*810* 768.6mm	884（+100 PACK distance）*810* 1003.6mm	884（+100 PACK distance）*810* 1024.8mm	884（+100 PACK distance）*810* 1259.8mm	1326（+200 PACK distance）*810* 1003.6mm

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	448.0-576.0V	492.8-633.6V	537.6-691.2V	582.4-748.8V	627.2-806.4V	672.0-864.0V
Nominal Dis-/Charge Current	157A					
Weight	1230(±10)kg	1350(±10)kg	1470(±10)kg	1590(±10)kg	1710(±10)kg	1830(±10)kg
Dimension(mm)	1326（+200 PACK distance）*810* 1003.6mm	1326（+200 PACK distance）*810* 1003.6mm	1326（+200 PACK distance）*810* 1259.8mm	1768（+300 PACK distance）*810* 1024.8mm	1768（+300 PACK distance）*810* 1024.8mm	1768（+300 PACK distance）*810* 1024.8mm

Module Type	LFP 257kWh/HV	LFP 273kWh/HV	LFP 289kWh/HV	LFP 305kWh/HV	LFP 321kWh/HV	LFP 337kWh/HV
Nominal Capacity(at 25 °C)	257.23kWh	273.31kWh	289.38kWh	305.46kWh	321.54kWh	337.61kWh
Usable Capacity（90% DOD)	231.5kWh	246.0kWh	260.4kWh	275.0kWh	289.4kWh	303.9kWh
Battery Module	LFP 16000 / HV : 51.2V 314Ah					
Number of Modules	16	17	18	19	20	21
Nominal Voltage	819.2V	870.4V	921.6V	972.8V	1024.0V	1075.2V
Operating Voltage Ranges	716.8-921.6V	761.6-979.2V	806.4-1036.8V	851.2-1094.4V	896.0-1152.0V	940.8-1209.6V
Nominal Dis-/Charge Current	157A					
Weight	1950(±10)kg	2070(±10)kg	2190(±10)kg	2310(±10)kg	2430(±10)kg	2550(±10)kg
Dimension(mm)	1768（+300 PACK distance）*810* 1259.8mm	2210（+400 PACK distance）*810* 1024.8mm	2210（+400 PACK distance）*810* 1024.8mm	2210（+400 PACK distance）*810* 1024.8mm	2210（+400 PACK distance）*810* 1259.8mm	2652（+500 PACK distance）*810* 1024.8mm

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LFP 64-337kWh / HV

Operating Condition	Indoor
Operating Temperature Charge	0~45°C
Operating Temperature Discharge	-10~50°C
Storage Temperature	-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
Cycle Life	≥ 6000 (@25°C ± 2°C , 0.5P / 0.5P, 70% EOL)
Communication Interface	CAN / RS485
Protection Mode	Triple hardware protection
Battery Protection	Over-current / Over-voltage / Short circuit / Under-voltage

Compatible Hybrid Inverters

GROWATT FOX ESS SOLINTEG Deye solis GOODWE SOFAR Afore

Specifications are subject to change without further notification
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