

LFP 64-401kWh / HV

LFP 16000 / HV 51.2V 314Ah **Each Battery PACK**

RECHARGEABLE LITHIUM BATTERY

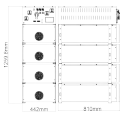
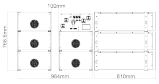
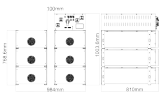
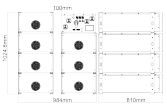
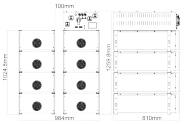
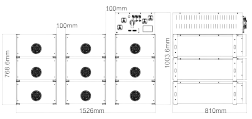
- High inverter compatibility
- Maximum 25 battery packs in series connection
- >15 Years life span
- Reliable LFP cells
- Easy to install and maintain
- Cells cycle times ≥6000 cycles
- CANbus standard connection
- IP20 Rating
  Triple hardware protection
- Smart BMS system to optimize the performance

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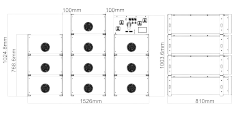
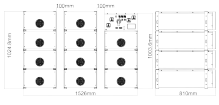
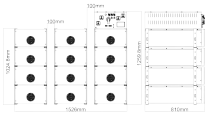
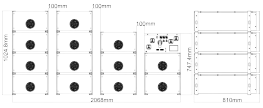
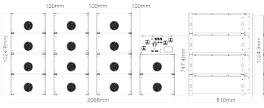
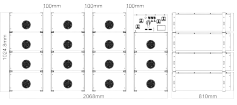
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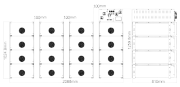
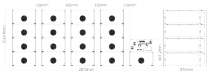
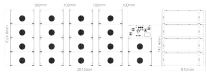
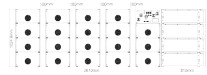
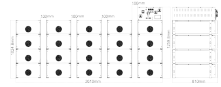
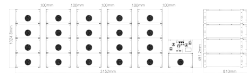
Technical Parameters

Module Type	LFP 64kWh/HV	LFP 80kWh/HV	LFP 96kWh/HV	LFP 112kWh/HV	LFP 128kWh/HV	LFP 144kWh/HV
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Capacity	314Ah	314Ah	314Ah	314Ah	314Ah	314Ah
Nominal Energy (at 25℃)	64.31kWh	80.38kWh	96.46kWh	112.54kWh	128.61kWh	144.69kWh
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
Battery Packs Number	4	5	6	7	8	9
Weight	452(±5)kg	565(±5)kg	678(±5)kg	791(±5)kg	904(±5)kg	1017(±5)kg
Dimension	442*810*1259.8mm	884（+100）*810*768.6mm	884（+100）*810*1003.6mm	884（+100）*810*1024.8mm	884（+100）*810*1259.8mm	1326（+200）*810*1003.6mm
High Voltage Box	LFP 16000/HV-UD006	LFP 16000/HV-UD006	LFP 16000/HV-UD006	LFP 16000/HV-UD002	LFP 16000/HV-UD002	LFP 16000/HV-UD002

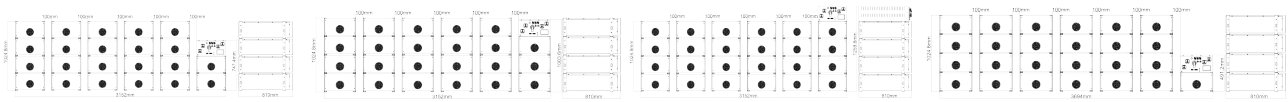
Module Type	LFP 160kWh/HV	LFP 176kWh/HV	LFP 192kWh/HV	LFP 209kWh/HV	LFP 225kWh/HV	LFP 241kWh/HV
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Capacity	314Ah	314Ah	314Ah	314Ah	314Ah	314Ah
Nominal Energy (at 25 ℃)	160.77kWh	176.84kWh	192.92kWh	209.00kWh	225.08kWh	241.15kWh
Nominal 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
Battery Packs Number	10	11	12	13	14	15
Weight	1130(±5)kg	1243(±5)kg	1356(±5)kg	1469(±5)kg	1582(±5)kg	1695(±5)kg
Dimension	1326（+200）*810*1003.6mm	1326（+200）*810*1003.6mm	1326（+200）*810*1259.8mm	1768（+300）*810*1024.8mm	1768（+300）*810*1024.8mm	1768（+300）*810*1024.8mm
High Voltage Box	LFP 16000/HV-UD002	LFP 16000/HV-UD002	LFP 16000/HV-UD002	LFP 16000/HV-UD002	LFP 16000/HV-UD002	LFP 16000/HV-UD002

Module Type	LFP 257kWh/HV	LFP 273kWh/HV	LFP 289kWh/HV	LFP 305kWh/HV	LFP 321kWh/HV	LFP 337kWh/HV
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Capacity	314Ah	314Ah	314Ah	314Ah	314Ah	314Ah
Nominal Energy (at 25 ℃)	257.23kWh	273.31kWh	289.38kWh	305.46kWh	321.54kWh	337.61kWh
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
Battery Packs Number	16	17	18	19	20	21
Weight	1808(±5)kg	1921(±5)kg	2034(±5)kg	2147(±5)kg	2260(±5)kg	2373(±5)kg
Dimension	1768（+300）*810*1259.8mm	2210（+400）*810*1024.8mm	2210（+400）*810*1024.8mm	2210（+400）*810*1024.8mm	2210（+400）*810*1259.8mm	2652（+500）*810*1024.8mm
High Voltage Box	LFP 16000/HV-UD002	LFP 16000/HV-UD002	LFP 16000/HV-UD005	LFP 16000/HV-UD005	LFP 16000/HV-UD005	LFP 16000/HV-UD005

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LFP 64-401kWh / HV



Module Type	LFP 353kWh/HV	LFP 369kWh/HV	LFP 385kWh/HV	LFP 401kWh/HV
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Capacity	314Ah	314Ah	314Ah	314Ah
Nominal Energy (at 25 ℃)	353.65kWh	369.77kWh	385.84kWh	401.92kWh
Nominal Voltage	1126.4V	1177.6V	1228.8V	1280V
Operating Voltage Ranges	985.6-1267.2V	1030.4-1324.8V	1075.2-1382.4V	1120-1440V
Battery Packs Number	22	23	24	25
Weight	2486(±5)kg	2599(±5)kg	2712(±5)kg	2825(±5)kg
Dimension	2652（+500 ）*810* 1024.8mm	2652（+500 ）*810* 1024.8mm	2652（+500 ）*810* 1259.8mm	3094（+600 ）*810* 1024.8mm
High Voltage Box	LFP 16000/HV-UD005	LFP 16000/HV-UD005	LFP 16000/HV-UD005	LFP 16000/HV-UD005

Nominal Dis-/Charge Current	157A
Operating Condition	Indoor
Operating Environment Temperature	-20~50 ℃
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

① User Manual ×1
② Master-slave Communication Line ×1
③ Communication Line ×1
④ B+ Power cable ×1
⑤ Copper Busbar ×1
⑥ Battery Power Cable 0.86m ×1
⑦ Power Cable 1.5m ×2
⑧ Network cable 1.5m ×1
⑨ Ground Wire 0.8m ×1
⑩ M8*14 Screw ×4





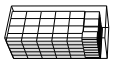
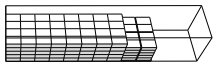
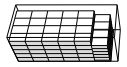
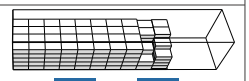
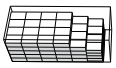
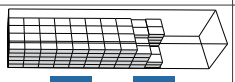
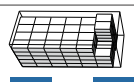
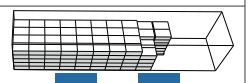
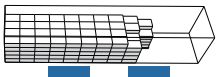
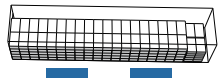
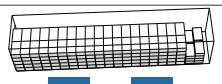
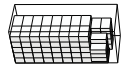
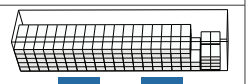
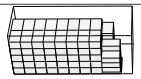
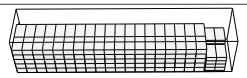
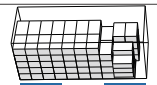
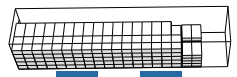
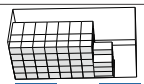
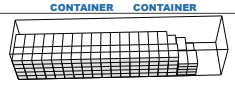
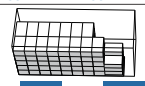
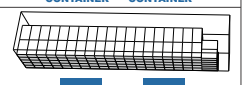
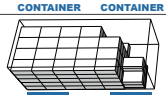
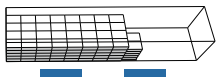
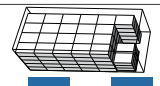
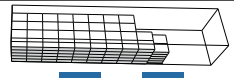
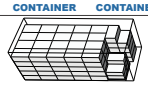
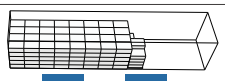
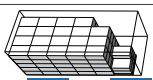
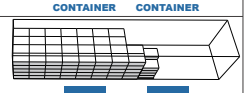
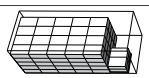
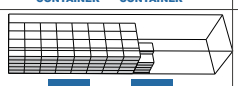
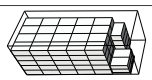
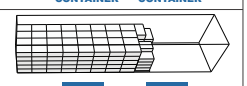
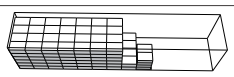
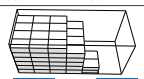
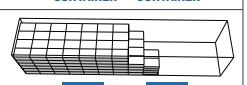
① Factory Report ×1
② Communication Cable ×1
③ Ground Wire 0.3m ×1
④ M4*12 Screw ×1
⑤ M4*55 Screw ×4
⑥ M5*10 Screw ×10
⑦ Front Cover Plate ×1
⑧ Copper Bar ×1
⑨ Angle Brace ×4
⑩ M8*14 Screw ×2
⑪ Handle ×2





SUNKET - ESS

LFP 64-401kWh / HV

Model	20'GP	40'HQ	Model	20'GP	40'HQ
LFP64kWh / HV	 100 PACK CONTAINER 25 HV Box CONTAINER	 160 PACK CONTAINER 40 HV Box CONTAINER	LFP80kWh / HV	 100 PACK CONTAINER 20 HV Box CONTAINER	 165 PACK CONTAINER 33 HV Box CONTAINER
LFP96kWh / HV	 96 PACK CONTAINER 16 HV Box CONTAINER	 168 PACK CONTAINER 28 HV Box CONTAINER	LFP112kWh / HV	 105 PACK CONTAINER 15 HV Box CONTAINER	 168 PACK CONTAINER 24 HV Box CONTAINER
LFP128kWh / HV	 104 PACK CONTAINER 13 HV Box CONTAINER	 168 PACK CONTAINER 21 HV Box CONTAINER	LFP144kWh / HV	 90 PACK CONTAINER 10 HV Box CONTAINER	 180 PACK CONTAINER 20 HV Box CONTAINER
LFP160kWh / HV	 90 PACK CONTAINER 9 HV Box CONTAINER	 180 PACK CONTAINER 18 HV Box CONTAINER	LFP176kWh / HV	 88 PACK CONTAINER 8 HV Box CONTAINER	 176 PACK CONTAINER 16 HV Box CONTAINER
LFP192kWh / HV	 84 PACK CONTAINER 7 HV Box CONTAINER	 168 PACK CONTAINER 14 HV Box CONTAINER	LFP208kWh / HV	 78 PACK CONTAINER 6 HV Box CONTAINER	 169 PACK CONTAINER 13 HV Box CONTAINER
LFP224kWh / HV	 70 PACK CONTAINER 5 HV Box CONTAINER	 168 PACK CONTAINER 12 HV Box CONTAINER	LFP241kWh / HV	 75 PACK CONTAINER 5 HV Box CONTAINER	 180 PACK CONTAINER 12 HV Box CONTAINER
LFP257kWh / HV	 96 PACK CONTAINER 6 HV Box CONTAINER	 160 PACK CONTAINER 10 HV Box CONTAINER	LFP273kWh / HV	 105 PACK CONTAINER 6 HV Box CONTAINER	 170 PACK CONTAINER 10 HV Box CONTAINER
LFP289kWh / HV	 108 PACK CONTAINER 6 HV Box CONTAINER	 162 PACK CONTAINER 9 HV Box CONTAINER	LFP305kWh / HV	 95 PACK CONTAINER 5 HV Box CONTAINER	 152 PACK CONTAINER 8 HV Box CONTAINER
LFP321kWh / HV	 80 PACK CONTAINER 4 HV Box CONTAINER	 160 PACK CONTAINER 8 HV Box CONTAINER	LFP337kWh / HV	 84 PACK CONTAINER 4 HV Box CONTAINER	 168 PACK CONTAINER 8 HV Box CONTAINER
LFP353kWh / HV	 88 PACK CONTAINER 4 HV Box CONTAINER	 176 PACK CONTAINER 8 HV Box CONTAINER	LFP369kWh / HV	 92 PACK CONTAINER 4 HV Box CONTAINER	 184 PACK CONTAINER 8 HV Box CONTAINER
LFP385kWh / HV	72 PACK CONTAINER 3 HV Box CONTAINER	168 PACK CONTAINER 7 HV Box CONTAINER	LFP401kWh / HV	75 PACK CONTAINER 3 HV Box CONTAINER	175 PACK CONTAINER 7 HV Box CONTAINER

Compatible Hybrid Inverters

GROWATT FOX ESS SOLINTEG Deye solis GOODWE SOFAR Afore

Specifications are subject to change without further notification
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