

LFP 64-337kWh / HV

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

RECHARGEABLE LITHIUM BATTERY

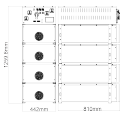
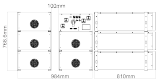
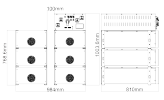
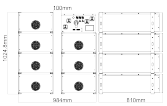
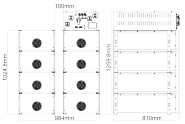
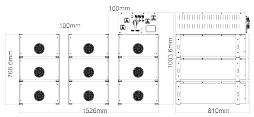
- High inverter compatibility
- Maximum 25 battery packs in series connection
- >15 Years life span
- Reliable LFP cells
- Easy to install and maintain
- Cells cycle times ≥6000 cycles
- CANbus standard connection
- IP20 Rating
  Triple hardware protection
- Smart BMS system to optimize the performance

SUNKET - ESS

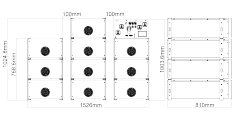
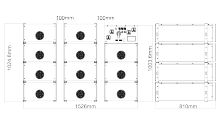
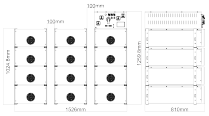
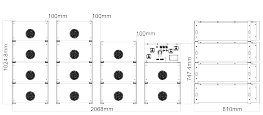
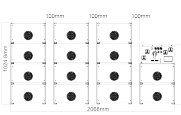
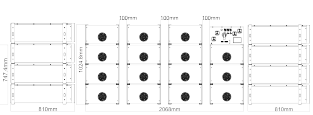
SUNKET - ESS

LFP 64-337kWh / HV

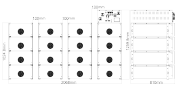
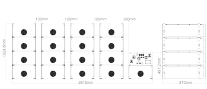
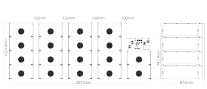
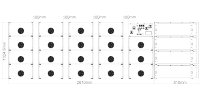
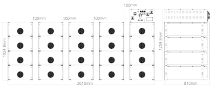
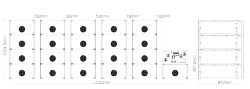
Electrical Characteristics

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	90.46kWh	112.54kWh	128.61kWh	144.69kWh
Usable Energy (90% DOD)	57.9kWh	72.4kWh	86.8kWh	101.3kWh	115.8kWh	130.2kWh
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	510(±10)kg	630(±10)kg	750(±10)kg	870(±10)kg	990(±10)kg	1110(±10)kg
Dimension	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
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
Usable Energy (90% DOD)	144.7kWh	159.2kWh	173.6kWh	188.1kWh	202.6kWh	217.0kWh
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	1230(±10)kg	1350(±10)kg	1470(±10)kg	1590(±10)kg	1710(±10)kg	1830(±10)kg
Dimension	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
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
Usable Energy (90% DOD)	231.5kWh	246.0kWh	260.4kWh	275.0kWh	289.4kWh	303.9kWh
Battery Packs Number	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
Weight	1950(±10)kg	2070(±10)kg	2190(±10)kg	2310(±10)kg	2430(±10)kg	2550(±10)kg
Dimension	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

SUNKET -ESS

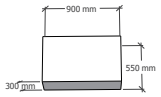
LFP 64-337kWh / HV

Nominal Dis-/Charge Current	157A
Operating Condition	Indoor
Operating Environment 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

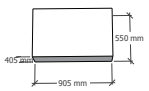
Packing Configuration

Single Dimension (PACK)	Inner: 885×530×270mm ±3 Outer: 905×550×405mm
Single Dimension (HV BOX)	900×550×300mm

PACK



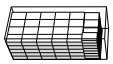
HV Box



LFP64kWh / HV

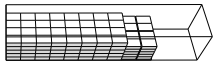
20'GP	100Lithium Modules&25HV Box
40'HQ	160Lithium Modules&40HV Box

20'GP



100 PACK CONTAINER | 25 HV Box CONTAINER

40'HQ

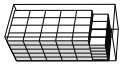


160 PACK CONTAINER | 40 HV Box CONTAINER

LFP80kWh / HV

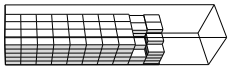
20'GP	100Lithium Modules&20HV Box
40'HQ	165Lithium Modules&33HV Box

20'GP



100 PACK CONTAINER | 20 HV Box CONTAINER

40'HQ

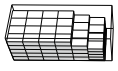


165 PACK CONTAINER | 33 HV Box CONTAINER

LFP96kWh / HV

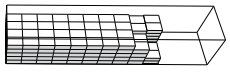
20'GP	96Lithium Modules&16HV Box
40'HQ	168Lithium Modules&28HV Box

20'GP



96 PACK CONTAINER | 16 HV Box CONTAINER

40'HQ

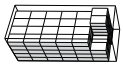


168 PACK CONTAINER | 28 HV Box CONTAINER

LFP112kWh / HV

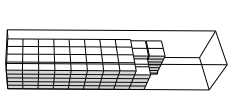
20'GP	105Lithium Modules&15HV Box
40'HQ	168Lithium Modules&24HV Box

20'GP



105 PACK CONTAINER | 15 HV Box CONTAINER

40'HQ

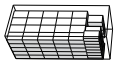


168 PACK CONTAINER | 24 HV Box CONTAINER

LFP128kWh / HV

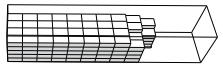
20'GP	104Lithium Modules&13HV Box
40'HQ	168Lithium Modules&21HV Box

20'GP



104 PACK CONTAINER | 13 HV Box CONTAINER

40'HQ

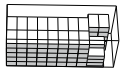


168 PACK CONTAINER | 21 HV Box CONTAINER

LFP144kWh / HV

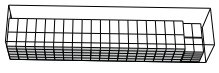
20'GP	90Lithium Modules&10HV Box
40'HQ	180Lithium Modules&20HV Box

20'GP



90 PACK CONTAINER | 10 HV Box CONTAINER

40'HQ

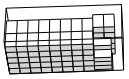


180 PACK CONTAINER | 20 HV Box CONTAINER

LFP160kWh / HV

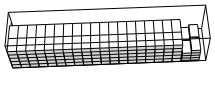
20'GP	90Lithium Modules&9HV Box
40'HQ	180Lithium Modules&18HV Box

20'GP



90 PACK CONTAINER | 9 HV Box CONTAINER

40'HQ

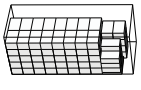


180 PACK CONTAINER | 18 HV Box CONTAINER

LFP176kWh / HV

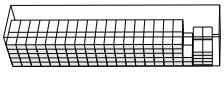
20'GP	88Lithium Modules&8HV Box
40'HQ	176Lithium Modules&16HV Box

20'GP



88 PACK CONTAINER | 8 HV Box CONTAINER

40'HQ



176 PACK CONTAINER | 16 HV Box CONTAINER

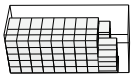
SUNKET -ESS

LFP 64-337kWh / HV

LFP192kWh / HV

20'GP	84Lithium Modules&7HV Box
40'HQ	168Lithium Modules&14HV Box

20'GP



84 PACK CONTAINER | 7 HV Box CONTAINER

40'HQ

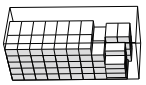


168 PACK CONTAINER | 14 HV Box CONTAINER

LFP208kWh / HV

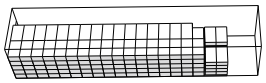
20'GP	78Lithium Modules&6HV Box
40'HQ	169Lithium Modules&13HV Box

20'GP



78 PACK CONTAINER | 6 HV Box CONTAINER

40'HQ

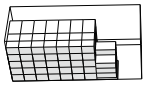


169 PACK CONTAINER | 13 HV Box CONTAINER

LFP224kWh / HV

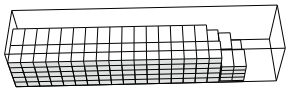
20'GP	70Lithium Modules&5HV Box
40'HQ	168Lithium Modules&12HV Box

20'GP



70 PACK CONTAINER | 5 HV Box CONTAINER

40'HQ

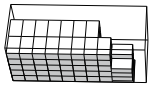


168 PACK CONTAINER | 12 HV Box CONTAINER

LFP241kWh / HV

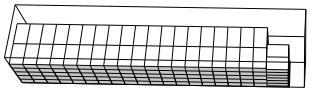
20'GP	75Lithium Modules&5HV Box
40'HQ	180Lithium Modules&12HV Box

20'GP



75 PACK CONTAINER | 5 HV Box CONTAINER

40'HQ

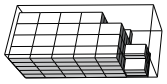


180 PACK CONTAINER | 12 HV Box CONTAINER

LFP257kWh / HV

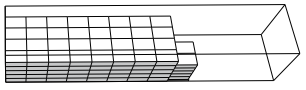
20'GP	96Lithium Modules&6HV Box
40'HQ	160Lithium Modules&10HV Box

20'GP



96 PACK CONTAINER | 6 HV Box CONTAINER

40'HQ

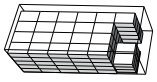


160 PACK CONTAINER | 10 HV Box CONTAINER

LFP273kWh / HV

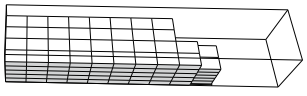
20'GP	105Lithium Modules&6HV Box
40'HQ	170Lithium Modules&10HV Box

20'GP



105 PACK CONTAINER | 6 HV Box CONTAINER

40'HQ

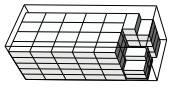


170 PACK CONTAINER | 10 HV Box CONTAINER

LFP289kWh / HV

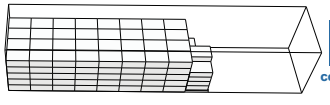
20'GP	108Lithium Modules&6HV Box
40'HQ	162Lithium Modules&9HV Box

20'GP



108 PACK CONTAINER | 6 HV Box CONTAINER

40'HQ

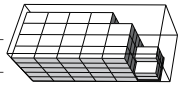


162 PACK CONTAINER | 9 HV Box CONTAINER

LFP305kWh / HV

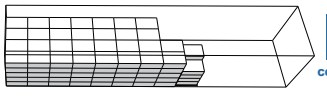
20'GP	95Lithium Modules&5HV Box
40'HQ	152Lithium Modules&8HV Box

20'GP



95 PACK CONTAINER | 5 HV Box CONTAINER

40'HQ

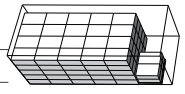


152 PACK CONTAINER | 8 HV Box CONTAINER

LFP321kWh / HV

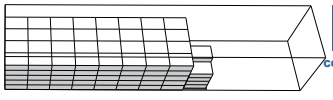
20'GP	80Lithium Modules&4HV Box
40'HQ	160Lithium Modules&8HV Box

20'GP



80 PACK CONTAINER | 4 HV Box CONTAINER

40'HQ

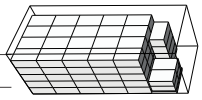


160 PACK CONTAINER | 8 HV Box CONTAINER

LFP337kWh / HV

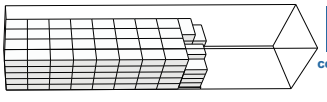
20'GP	84Lithium Modules&4HV Box
40'HQ	168Lithium Modules&8HV Box

20'GP



84 PACK CONTAINER | 4 HV Box CONTAINER

40'HQ



168 PACK CONTAINER | 8 HV Box CONTAINER

Compatible Hybrid Inverters

GROWATT FOX ESS SOLINTEG Deye solis GOODWE SOFAR Afore

sunket.com sales@sunket.cn

Specifications are subject to change without further notification
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