



**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  $\geq 6000$  cycles



CANbus standard connection

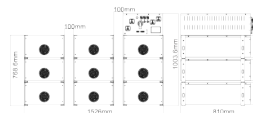
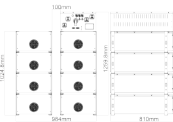
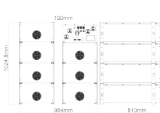
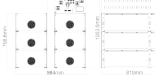
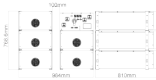
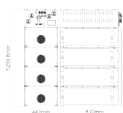


IP20 Rating  
Triple hardware protection

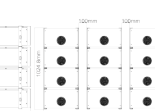
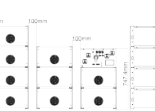
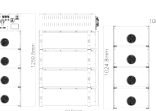
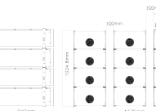
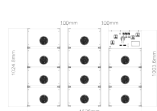
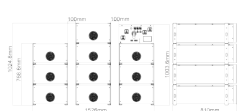


Smart BMS system to optimize the performance

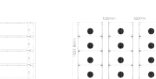
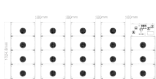
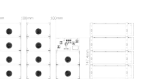
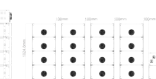
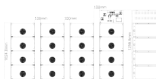
## Electrical Characteristics



Module Type	LFP 64kWh/HV	LFP 80kWh/HV	LFP 96kWh/HV	LFP 112kWh/HV	LFP 128kWh/HV	LFP 144kWh/HV
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Capacity	314Ah	314Ah	314Ah	314Ah	314Ah	314Ah
Nominal Energy ( at 25°C )	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 °C )	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 °C )	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

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

## Packing Configuration

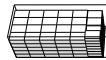
Single Dimension (PACK)	Inner: 885×530×270mm ±3 Outer: 905×550×405mm
Single Dimension (HV BOX)	900×550×300mm



### LFP64kWh / HV

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

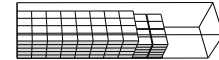
#### 20'GP



100  
PACK  
CONTAINER

25  
HV Box  
CONTAINER

#### 40'HQ



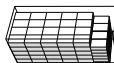
160  
PACK  
CONTAINER

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



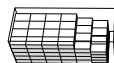
165  
PACK  
CONTAINER

33  
HV Box  
CONTAINER

### LFP96kWh / HV

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

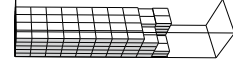
#### 20'GP



96  
PACK  
CONTAINER

16  
HV Box  
CONTAINER

#### 40'HQ



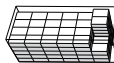
168  
PACK  
CONTAINER

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



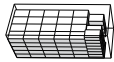
168  
PACK  
CONTAINER

24  
HV Box  
CONTAINER

### LFP128kWh / HV

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

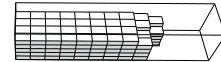
#### 20'GP



104  
PACK  
CONTAINER

13  
HV Box  
CONTAINER

#### 40'HQ



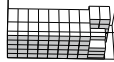
168  
PACK  
CONTAINER

21  
HV Box  
CONTAINER

### LFP144kWh / HV

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

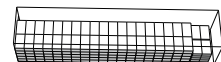
#### 20'GP



90  
PACK  
CONTAINER

10  
HV Box  
CONTAINER

#### 40'HQ



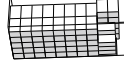
180  
PACK  
CONTAINER

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

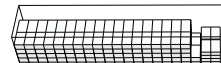
#### 20'GP



88  
PACK  
CONTAINER

8  
HV Box  
CONTAINER

#### 40'HQ



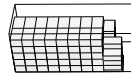
176  
PACK  
CONTAINER

16  
HV Box  
CONTAINER

## LFP192kWh / HV

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

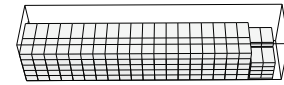
### 20'GP



**84**  
PACK  
CONTAINER

**7**  
HV Box  
CONTAINER

### 40'HQ



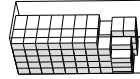
**168**  
PACK  
CONTAINER

**14**  
HV Box  
CONTAINER

## LFP208kWh / HV

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

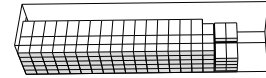
### 20'GP



**78**  
PACK  
CONTAINER

**6**  
HV Box  
CONTAINER

### 40'HQ



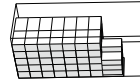
**169**  
PACK  
CONTAINER

**13**  
HV Box  
CONTAINER

## LFP224kWh / HV

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

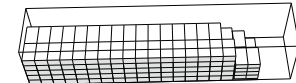
### 20'GP



**70**  
PACK  
CONTAINER

**5**  
HV Box  
CONTAINER

### 40'HQ



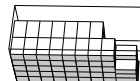
**168**  
PACK  
CONTAINER

**12**  
HV Box  
CONTAINER

## LFP241kWh / HV

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

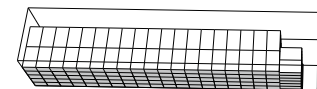
### 20'GP



**75**  
PACK  
CONTAINER

**5**  
HV Box  
CONTAINER

### 40'HQ



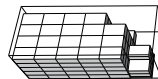
**180**  
PACK  
CONTAINER

**12**  
HV Box  
CONTAINER

## LFP257kWh / HV

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

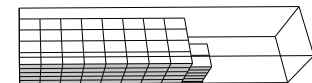
### 20'GP



**96**  
PACK  
CONTAINER

**6**  
HV Box  
CONTAINER

### 40'HQ



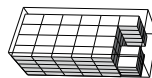
**160**  
PACK  
CONTAINER

**10**  
HV Box  
CONTAINER

## LFP273kWh / HV

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

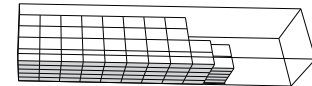
### 20'GP



**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

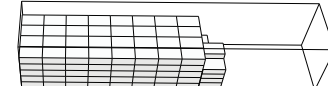
### 20'GP



**108**  
PACK  
CONTAINER

**6**  
HV Box  
CONTAINER

### 40'HQ



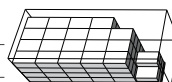
**162**  
PACK  
CONTAINER

**9**  
HV Box  
CONTAINER

## LFP305kWh / HV

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

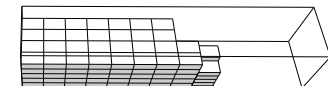
### 20'GP



**95**  
PACK  
CONTAINER

**5**  
HV Box  
CONTAINER

### 40'HQ



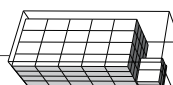
**152**  
PACK  
CONTAINER

**8**  
HV Box  
CONTAINER

## LFP321kWh / HV

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

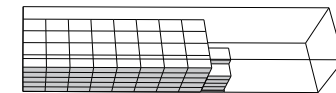
### 20'GP



**80**  
PACK  
CONTAINER

**4**  
HV Box  
CONTAINER

### 40'HQ



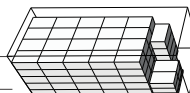
**160**  
PACK  
CONTAINER

**8**  
HV Box  
CONTAINER

## LFP337kWh / HV

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

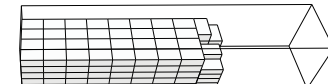
### 20'GP



**84**  
PACK  
CONTAINER

**4**  
HV Box  
CONTAINER

### 40'HQ



**168**  
PACK  
CONTAINER

**8**  
HV Box  
CONTAINER

## Compatible Hybrid Inverters

