

# *LFP 64-337kWh / HV*

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

RECHARGEABLE LITHIUM BATTERY

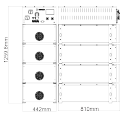
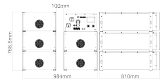
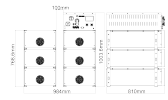
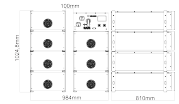
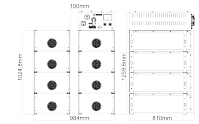
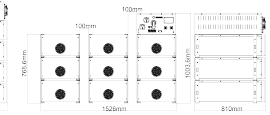
- High inverter compatibility
- Maximum 25 battery packs in series connection.
- >15 Years life span
- Reliable LFP cells
- Easy to install and maintain
- Cells cycle times 6000 cycles
- CANbus standard connection
- IP20 Rating
  Triple hardware protection
- Smart BMS system to optimize the performance

SUNKET - ESS

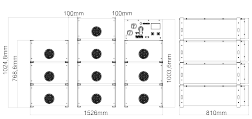
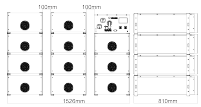
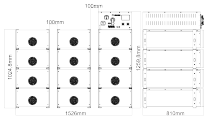
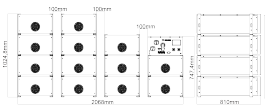
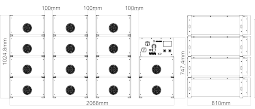
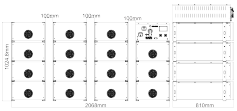
SUNKET - ESS

# LFP 64-337kWh / HV

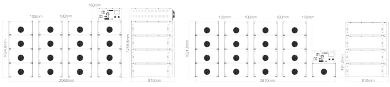
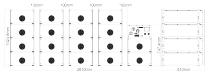
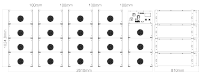
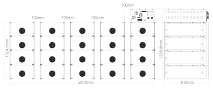
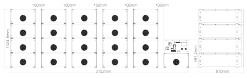
## Electrical Characteristics

| 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

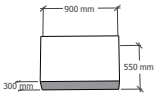
# LFP 64-337kWh / HV

| | |
|---|---|
| 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 |

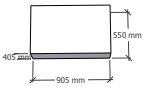
## Packing Configuration

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

**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

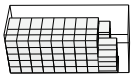
# SUNKET -ESS

# 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

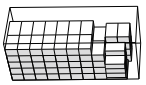


168 PACK CONTAINER | 14 HV Box CONTAINER

**LFP208kWh / HV**

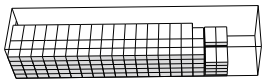
| | |
|---|---|
| 20'GP | 78Lithium Modules&6HV Box |
| 40'HQ | 169Lithium Modules&13HV Box |

20'GP



78 PACK CONTAINER | 6 HV Box CONTAINER

40'HQ

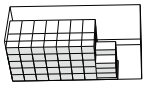


169 PACK CONTAINER | 13 HV Box CONTAINER

**LFP224kWh / HV**

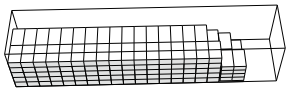
| | |
|---|---|
| 20'GP | 70Lithium Modules&5HV Box |
| 40'HQ | 168Lithium Modules&12HV Box |

20'GP



70 PACK CONTAINER | 5 HV Box CONTAINER

40'HQ

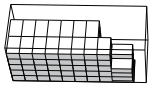


168 PACK CONTAINER | 12 HV Box CONTAINER

**LFP241kWh / HV**

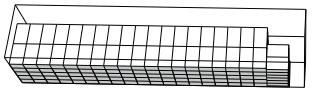
| | |
|---|---|
| 20'GP | 75Lithium Modules&5HV Box |
| 40'HQ | 180Lithium Modules&12HV Box |

20'GP



75 PACK CONTAINER | 5 HV Box CONTAINER

40'HQ

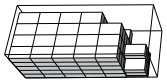


180 PACK CONTAINER | 12 HV Box CONTAINER

**LFP257kWh / HV**

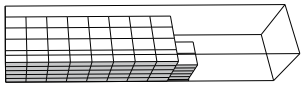
| | |
|---|---|
| 20'GP | 96Lithium Modules&6HV Box |
| 40'HQ | 160Lithium Modules&10HV Box |

20'GP



96 PACK CONTAINER | 6 HV Box CONTAINER

40'HQ

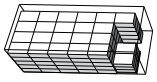


160 PACK CONTAINER | 10 HV Box CONTAINER

**LFP273kWh / HV**

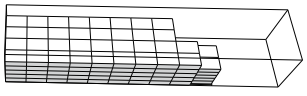
| | |
|---|---|
| 20'GP | 105Lithium Modules&6HV Box |
| 40'HQ | 170Lithium Modules&10HV Box |

20'GP



105 PACK CONTAINER | 6 HV Box CONTAINER

40'HQ

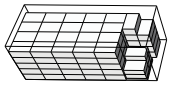


170 PACK CONTAINER | 10 HV Box CONTAINER

**LFP289kWh / HV**

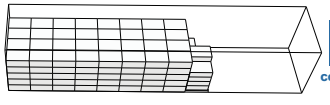
| | |
|---|---|
| 20'GP | 108Lithium Modules&6HV Box |
| 40'HQ | 162Lithium Modules&9HV Box |

20'GP



108 PACK CONTAINER | 6 HV Box CONTAINER

40'HQ

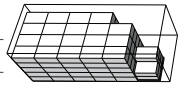


162 PACK CONTAINER | 9 HV Box CONTAINER

**LFP305kWh / HV**

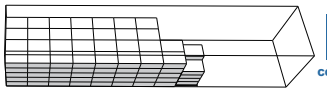
| | |
|---|---|
| 20'GP | 95Lithium Modules&5HV Box |
| 40'HQ | 152Lithium Modules&8HV Box |

20'GP



95 PACK CONTAINER | 5 HV Box CONTAINER

40'HQ

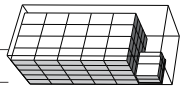


152 PACK CONTAINER | 8 HV Box CONTAINER

**LFP321kWh / HV**

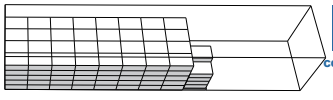
| | |
|---|---|
| 20'GP | 80Lithium Modules&4HV Box |
| 40'HQ | 160Lithium Modules&8HV Box |

20'GP



80 PACK CONTAINER | 4 HV Box CONTAINER

40'HQ

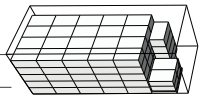


160 PACK CONTAINER | 8 HV Box CONTAINER

**LFP337kWh / HV**

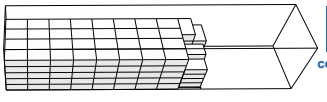
| | |
|---|---|
| 20'GP | 84Lithium Modules&4HV Box |
| 40'HQ | 168Lithium Modules&8HV Box |

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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