

# LFP-M

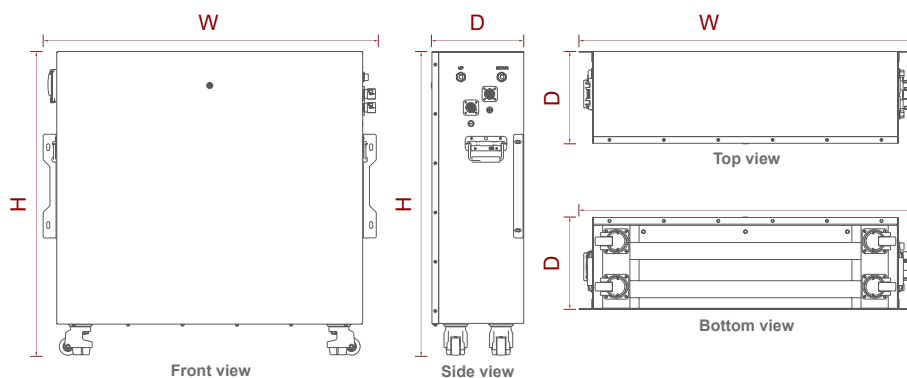
## LiFePO4 Battery Pack



### • Features

- Grade A LiFePO4 cells.
- IP65 Protection.
- Unique automatic calibration active balancing technology BMS system.
- 51.2Vdc voltage output suitable for home energy storage system, communication stations and other applications.
- Standard CAN & RS485 communication port, Master & Slave relationship.
- Compatible with other brand inverters' communication protocols.
- Parallel connection up to 9 PCS.

### • Product Dimensions



| Model        | Size(W*D*H)   |
|--------------|---------------|
| LFP-M48105H2 | 530*183*557mm |
| LFP-M48210H  | 530*183*865mm |
| LFP-M48280H  | 980*272*894mm |



## • Technical Parameter

| LFP-M LiFePO4 Battery Pack               |                                 |               |               |
|------------------------------------------|---------------------------------|---------------|---------------|
| Specifications                           |                                 |               |               |
| Model                                    | LFP-M48105H2                    | LFP-M48210H   | LFP-M48280H   |
| Rated Voltage                            | 51.2V                           |               |               |
| Rated Capacity                           | 105Ah                           | 210Ah         | 280Ah         |
| Rated Energy                             | 5.37KWH                         | 10.75KWH      | 14.33KWH      |
| Cell Configuration                       | 16S1P                           | 16S2P         | 16S1P         |
| Battery Cell                             | 3.2V 105AH                      |               | 3.2V 280AH    |
| No. of Cycles                            | 4000 (25℃ )                     |               | 6000 (25℃ )   |
| Standard Charge                          |                                 |               |               |
| Operation temperature range @charging    | 0~60℃                           |               |               |
| Rated charge voltage                     | 56.8V                           |               |               |
| Max charge voltage                       | 58.4±0.4V                       |               |               |
| Over charge protection                   | 59.2V                           |               |               |
| Allowed MAX charge current               | 100A                            | 100A          | 140A          |
| Peak charge current                      | 110A 3S                         | 110A 3S       | 160A 2S       |
| Rated charge current                     | 50A                             | 100A          | 140A          |
| Recommended charge method                | CC-CV                           |               |               |
| Standard Discharge                       |                                 |               |               |
| Operation temperature range @discharging | -20~60℃                         |               |               |
| Output Voltage Range                     | 46.4~58.4V                      |               |               |
| Discharge Cut-off voltage                | 42.4V                           |               |               |
| Allowed MAX discharge current            | 100A                            | 100A          | 140A          |
| Peak discharge current                   | 110A 3S                         | 110A 3S       | 160A 2S       |
| Rated discharge current                  | 100A                            | 100A          | 140A          |
| Recommend discharge current              | 100A                            | 100A          | 140A          |
| Mechanical Characteristics               |                                 |               |               |
| Dimension W*D*H                          | 530*183*557mm                   | 530*183*865mm | 980*272*894mm |
| Weight(N.W)                              | 52KG                            | 94KG          | 130KG         |
| Communication                            |                                 |               |               |
| RS485                                    | PC control and monitor          |               |               |
| CAN                                      | Inverter PC control and monitor |               |               |
| Storage and Transportation Requirements  |                                 |               |               |
| Storage Temperature                      | Less than 1 month               | -20~35℃       |               |
|                                          | Less than 6 month               | -10~30℃       |               |
| Storage Humidity                         | 45~75%RH                        |               |               |
| SOC                                      | Storage                         | 60~75%SOC     |               |
|                                          | Transport                       | 45~55%SOC     |               |