深圳市鸿伟高能科技术有限公司
HOWELL ENERGY CO.,LTD

# HWE-51308LP


## Product features：

- Use safer lithium iron phosphate batteries(LiFePO4)
- Integrated Intelligent Battery Management System (BMS):
  - Prevent overcharge, overdischarge, and high current inside the battery to ensure battery safety and reliability.
  - Balance each battery to extend battery life.
  - With RS485 and CAN communication interfaces, it can meet the communication needs of different devices
- With LCD display to display detailed battery parameters
- Compatible with most inverters on the market
- Mainly used in home energy storage system,support OEM/ODM

## Electrical Characteristics

| | |
|---|---|
| **Nominal Voltage (V)** | 51.2V |
| **Nominal Capacity ( Ah )** | 308Ah@0.3C |
| **Nominal Capacity (KWh)** | 15.77KWh |
| **Cycle Life** | ≥6000 Cycles @0.3C/0.3C |
| **Serial Number** | 16S2P |
| **Commnication Port** | RS485/CAN |

## Charging Parameters

| | |
|---|---|
| **Charge Voltage ( V )** | 57.6V |
| **Charge Current ( A )** | 30A ( Recommend ) |
| **Max Charge Current ( A )** | 50A |
| **Peak Charge Current ( A )** | 100A |
| **Charging Mode** | Constant Current / Constant Voltage |

## Discharge Parameters

| | |
|---|---|
| **Discharge Cut-off Voltage** | 46.4V |
| **Discharge Current** | 50A ( Recommended ) |
| **Max Discharge Current** | 100A |

## Operating Environment

| | |
|---|---|
| **Charge Temperature** | 0℃ to 55℃ |
| **Discharge Temperature** | -20℃ to 60℃ |
| **Storage Temperature** | 0℃ to 40℃ |

## Other Parameters

| | |
|---|---|
| **Shell Material** | Sheet metal chassis |
| **Battery Size** | 515 ( L ) *515 ( W ) *1100 ( H ) mm |
| **Pack Weight** | 150Kg |
| **Protection Class** | IP55 |
| **Installation Method** | Floor mounted |
| **Certificate** | UN38.3/MSDS |

Usage Note:

1. The charging voltage of the battery shall not exceed the parameters in the specification
2. When the battery is in use, the discharge voltage shall not be lower than the parameters in the specification, otherwise the low-voltage protection may be triggered
3. The charging current and discharging current of the battery shall not exceed the parameter range of the specification, otherwise the battery may be damaged