

# POWERWALL BATTERY

## Description

Powerwall battery is an integrated battery system for home energy storage that can store energy directly from the grid, as well as electricity generated by renewable energy sources such as wind and solar, as backup power supply in case the grid fails. It can install one battery or connect more together for higher capacity.

## Features

Using LiFePO4 battery cells, long cycle life, no-maintenance, high safety, light weight, high rate charge & discharge, same technology as the Tesla Powerwall. Easy to connect multiple units to use.

## Series models

51.2V 50Ah/80Ah/100Ah/150Ah/170Ah/200Ah



# Powerwall battery series

## HWE-16F50BG/HWE-16F80BG

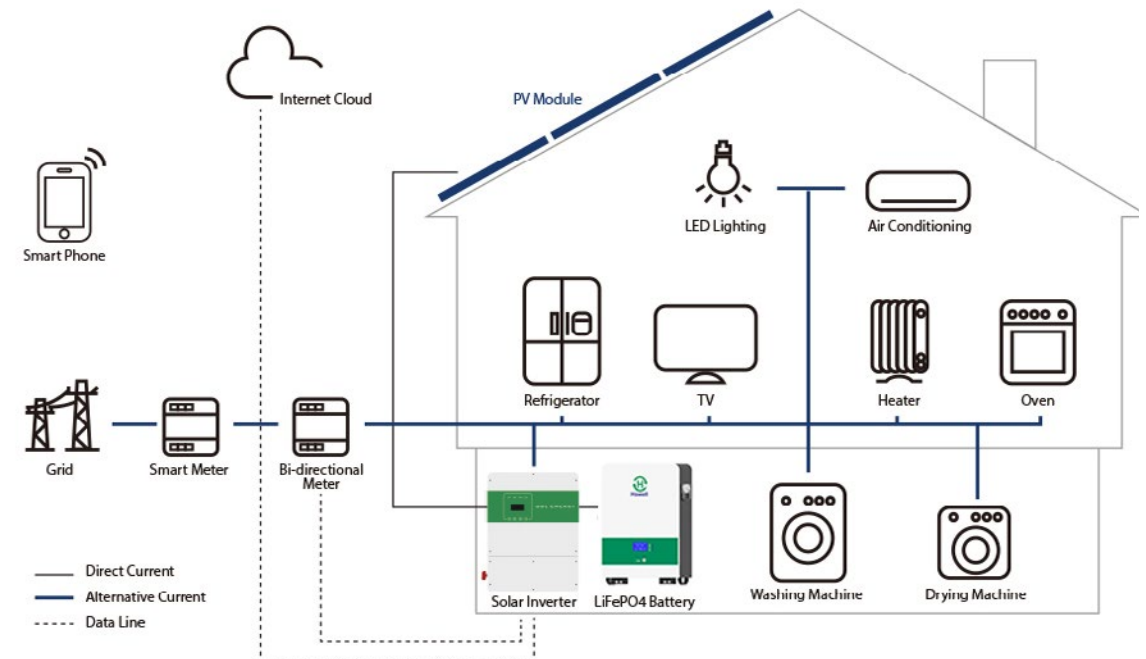
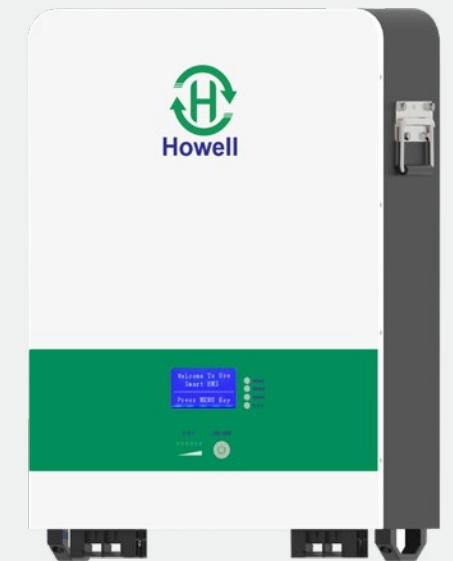
## HWE-16F100BG/HWE-16F150BG

- Customize BMS communication protocol
- Supports parallel capacity expansion
- Easy for installation

Model	HWE-16F50BG	HWE-16F80BG	HWE-16F100BG	HWE-16F150BG
Nominal Voltage	51.2V			
Nominal Capacity	50.0Ah	80.0Ah	100.0Ah	150.0Ah
Energy	2560.0Wh	4096.0Wh	5120.0Wh	7680.0Wh
Charge Voltage	56.8V	56.8V	56.8V	56.8V
Charge Current	25.0A	40.0A	50.0A	75.0A
Max.Charge Current	≤50.0A	≤80.0A	≤100.0A	≤100.0A
Cut-off Discharge Voltage	40.0V	40.0V	40.0V	40.0V
Discharge Current	25.0A	40.0A	50.0A	75.0A
Max.Discharge Current	≤50.0A	≤80.0A	≤100.0A	≤100.0A
SOC Display	LED/LCD		LED/LCD	
Communication Port	RS232/RS485/CAN /Dry contact			
Parallel Connection	Max 15P			
Terminal Type	2PDW38 wiring bar *2 100A			
Weight	35.0kg	45.0kg	53.0kg	72.0kg
Dimension(L*W*H)	563*399*185mm	563*399*185mm	563*399*185mm	605*450*195mm

### Features

- Use safer lithium iron phosphate batteries
- 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.
  - Intelligent monitoring, remote measurement, remote communication, RS485 remote control
- Wall hang mounted installation
- With LCD display to display detailed battery parameters match with the market mainstream inverter



# Powerwall battery series

## HWE-16F100LD/HWE-16F150LD

## HWE-16F170LD/HWE-16F200LD

- Customize BMS communication protocol
- Supports parallel capacity expansion
- Easy for installation

Model	HWE-16F100LD	HWE-16F150LD	HWE-16F170LD	HWE-16F200LD
Nominal Voltage	51.2V			
Nominal Capacity	100.0Ah	150.0Ah	170.0Ah	200.0Ah
Energy	5120.0Wh	7680.0Wh	8704.0Wh	10240Wh
Charge Voltage	56.8V	56.8V	56.8V	56.8V
Charge Current	50.0A	75.0A	85.0A	100.0A
Max.Charge Current	≤100.0A	≤100.0A	≤100.0A	≤100.0A
Cut-off Discharge Voltage	40.0V	40.0V	40.0V	40.0V
Discharge Current	50.0A	75.0A	85.0A	100.0A
Max.Discharge Current	≤100.0A	≤100.0A	≤100.0A	≤100A
SOC Display	LED/LCD			
Communication Port	RS232/RS485/CAN/Dry contact		RS232/RS485/CAN/Dry contact	
Parallel Connection	Max 15P			
Terminal Type	2PDW38 wiring bar *2 100A			
Weight	60.0kg	85.0kg	95.0kg	110.0kg
Dimension(L*W*H)	764*575*190mm	764*575*190mm	764*575*190mm	764*575*190mm

### Features

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- Integrated Intelligent Battery Management System (BMS):
  - Prevent overcharge, overdischarge, and high current inside the battery to ensure battery safety and reliability.
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- With LCD display to display detailed battery parameters match with the market mainstream inverter



### Manufacture Technology

