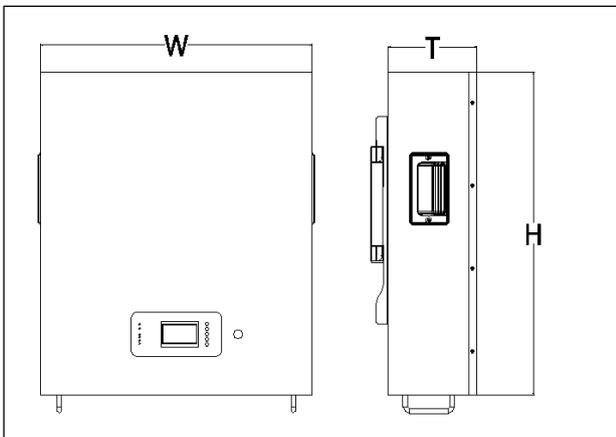


## Overview

wall-mounted LiFePO4 battery, designed for residential energy storage, stylish and simple in appearance. Supports wall-mounted installation. Suitable for home solar energy storage systems, storing excess solar energy during the day or using it during peak electricity hours to reduce electricity costs.

## Features

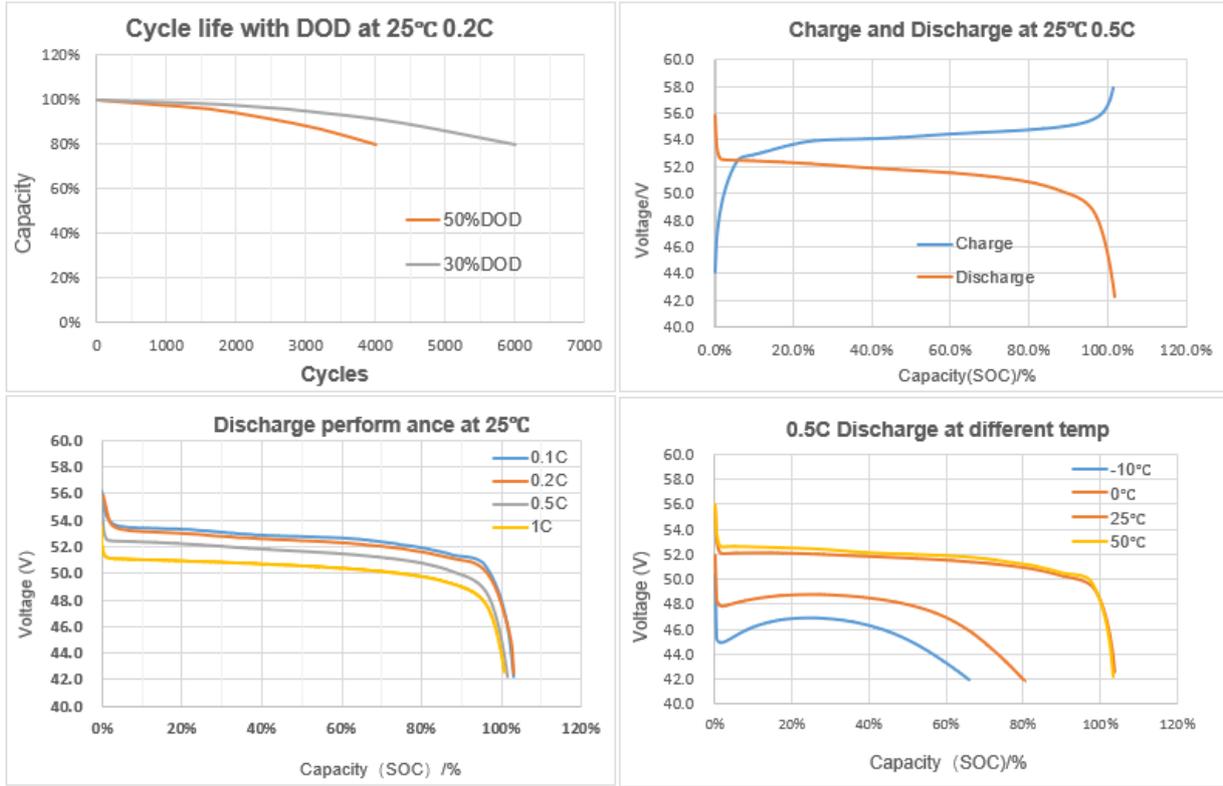
- ◇High quality A-grade lithium iron phosphate battery cells.
- ◇19 inch standard rack design. Small size, light weight.
- ◇Intelligent battery management system (BMS) .
- ◇Support RS485/CAN and other communications, compatible with multiple mainstream inverters.
- ◇Modular design, supports up to 15 units in parallel.
- ◇Battery related information can be viewed through LCD display.
- ◇Easy installation and easy maintenance.



## Specification

Electrical Characteristics	Nominal Voltage	51.2V
	Nominal Capacity	100Ah
	Energy	5120Wh
	Cycle Life	4000 cycles
	Months Self Discharge	<3%
	Communication interface	RS485、RS232、CAN
Standard Charge	Charge Voltage	56±0.2V
	Charge Mode	20A to 56V, then 56V,charge current to 0.05C (CC/CV)
	Charge Current	20A
	Max. Charge Current	50A
Standard Discharge	Continuous Current	50A
	Max Continuous Current	100A
	Discharge Cut-off Voltage	43.2V
Environmental	Charge Temperature	0 °C to 45 °C (32°Fto 113°F)
	Discharge Temperature	- 20 °C to 60 °C (- 4°Fto 140°F)
	Storage Temperature	-5 °C to 35 °C (23°Fto 95°F) , < 75%RH
	IP Class	IP20
Appearance	Case Material	Steel sheets
	Approx. Dimensions	625*520*170mm(L*W*H)
	Approx. Weight	55±2kg

## Performance curve



## Discharge data with constant power/25°C

Time/h Power/W	512	1024	1536	2048	2560	3072	4096	5120
<b>End voltage /V</b>	<b>Hours</b>							
49.5 V	9.42	4.59	3.04	2.29	1.66	1.36	0.87	0.79
48.0 V	9.75	4.76	3.18	2.31	1.80	1.51	1.08	0.84
46.5 V	9.97	4.85	3.25	2.40	1.90	1.54	1.15	0.88
45.0 V	10.14	4.96	3.31	2.42	1.94	1.61	1.18	0.92
43.0 V	10.26	5.11	3.36	2.50	1.96	1.63	1.20	0.94

## Discharge data with constant current /25°C

Time/h Current/A	0.1C	0.2C	0.3C	0.4C	0.5C	0.6C	0.8C	1C
<b>End voltage /V</b>	<b>Hours</b>							
49.5 V	9.43	4.60	3.05	2.30	1.67	1.37	0.88	0.68
48.0 V	9.77	4.78	3.20	2.33	1.82	1.53	1.10	0.87
46.5 V	10.00	4.88	3.28	2.43	1.93	1.57	1.18	0.94
45.0 V	10.18	5.00	3.35	2.46	1.98	1.65	1.22	0.97
43.0 V	10.30	5.15	3.40	2.54	2.00	1.67	1.24	1.00