Home energy storage Battery (wall-mounted)

LFELI-48100W1

Product Introduction

LFeLi-48100 is an energy storage module based on a home wall-mounted design. The system uses distributed photovoltaic and wind power generation to provide a household power supply solution . It can effectively realize energy transformation and storage, solve the imbalance between distributed generation and load, improve the stability and utilization rate of renewable energy generation, realize "spontaneous self-use" at the user end, and save electricity costs. The system uses high-efficiency and long-life lithium iron phosphate batteries, and the excellent battery management system can ensure its life of more than 15 years.

Characteristics

- High energy density and conversion efficiency
- Intelligent software anti-theft design
- Compatible with many inverters
- Easy maintenance with SOC (charge status) and SOH (health status) detection

Specification

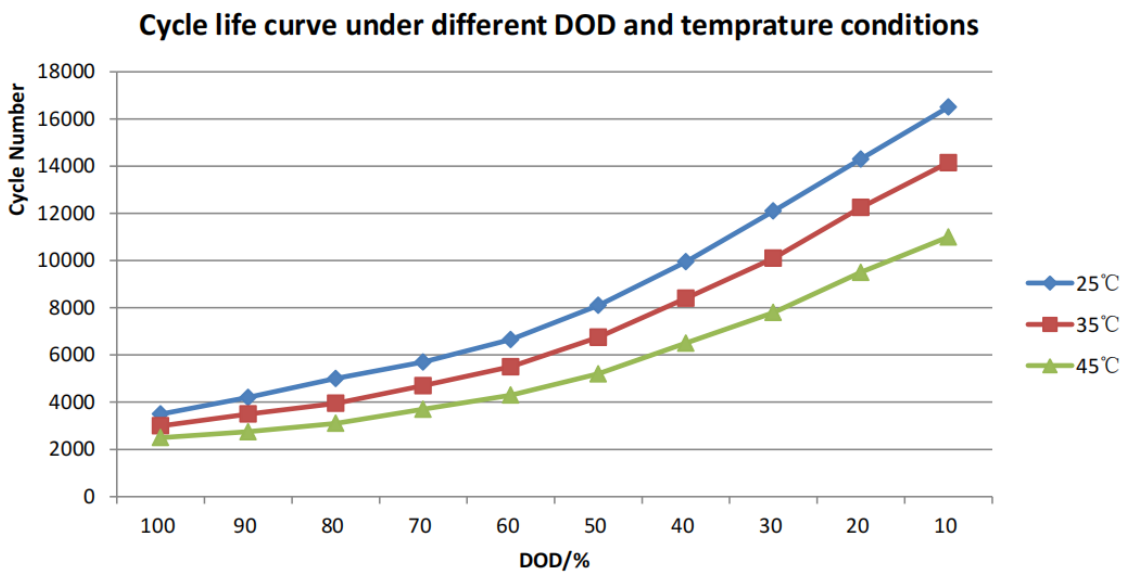
Items		Parameters
basic parameter	Specifications and models	LFeLi-48100W1
	Nominal voltage	51.2 V
	Nominal capacity	100Ah @ 0.2C, 25ºC
	Maximum continuous charge/ discharge current	50A/100A @ 25ºC
	Maximum charge/discharge voltage	57.6 V/43.2 V
	Weight	About. 43kg
	Dimensions(W×D×H)（inch）	450mm×500mm×140mm（17.72*19.69*5.51）
	Cycle life	5000 cycles @ 25ºC 80% DOD
	Number of parallel connections supported	16
	Self-discharge (month)@25ºC	≤3%
	BMS communication types	RS485; RS232; CAN
	Cooling Mode	Free cooling
	IP Class	IP65
	Display Fuction	LCD diplay screen，support English
	Design Life	15 years
	Shell Material	Q235A
	Certification	CE UN38.3 UL IEC TUV

Items		Parameters
Environment	Storage Temperature	0°C to 40°C
	Transport Temperature	-20°C to 60°C
	Operate Temperature	charge:0°C to 45°C; discharge: -20°C to 60°C（45°C Load reduced）
	Relative Humidity	5% to 95%
	Working Pressure	61kPa~113kPa

Note: The battery should be stored according to storage requirements, the best storage temperature is 20°C -30°C ; Complete charge and discharge once every 3 months and recharge to 70% of the capacity.

Discharging Diagram					
Time（h）	1h	2h	3h	5h	10h
Constant Current（A）	100A	50A	33A	20A	10A
Constant Power（W）	5120W	2560W	1690W	1024W	512W

Life curve



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