



Durable Lithium Battery use CSSUN

LPWONE Series All-IN-ONE ESS

Energy Storage System LiFePO4 Battery + Inverter

Brief Introduction



LPWONE Series All-In-One ESS wall-mounted lithium battery + inverter integrates cutting-edge technology for efficient energy storage and management. Designed for seamless installation and space-saving efficiency, it offers a compact solution ideal for residential and small commercial applications. With a robust 1-10 kW inverter and 1-10 kWh lithium battery capacity, it ensures reliable power supply and energy optimization. Advanced features include smart monitoring, remote control capabilities, and built-in safety protocols for enhanced reliability. This all-in-one system delivers versatility, performance, and ease of use, making it a dependable choice for modern energy needs.

Applications

Solar Energy/Off-Grid Solar System

BTS Stations, Telecom System, BT Tower

Access net work system

UPS System, EPS System

Terminal of FTTX

General features

Able to operate at -20~60°C

≥ 6000 times Cycles

Easy installation, wall-mounted

Long life high stability under high-temp. environment (no cooling needed)



Complied Standards

IEC62619	RoHS/Reach
PSE/UL	GB/T19638
CB/CE	ISO9001



LPWONE ESS Advantage

- **Compact Design:** Space-saving wall-mounted design ideal for residential and small commercial spaces, maximizing installation flexibility.
- **High Efficiency:** Efficient energy conversion and storage capabilities with integrated lithium batteries and high-performance inverters, optimizing energy usage.
- **User-Friendly Interface:** Intuitive control interface for easy monitoring and management of energy consumption, enhancing user experience.
- **Reliability and Safety:** Built-in safety features such as overcharge protection and short-circuit prevention ensure safe operation and system longevity.
- **Scalability:** Modular design allows for easy expansion of storage capacity and power output as energy needs grow, providing flexibility and future-proofing investments.

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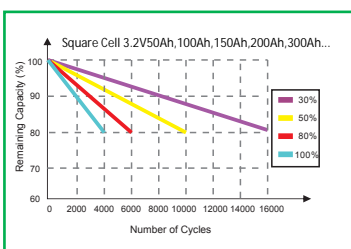
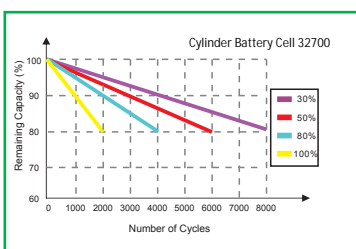
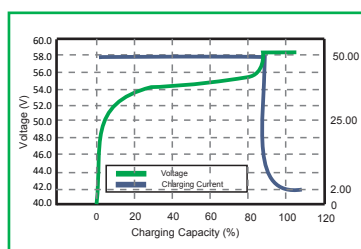
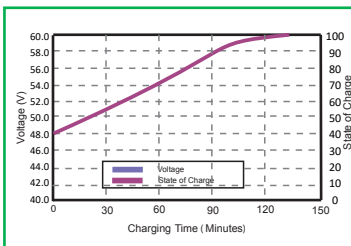
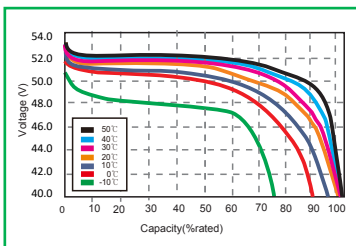
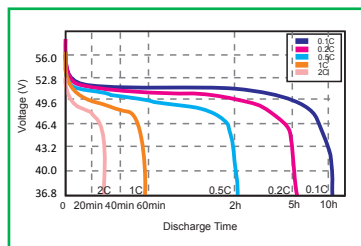
Energy Storage System LiFePO₄ Battery + Inverter

LPWONE Series ESS LifePO₄ Battery + Inverter Items specifications

Model	LPWONE 1.28KWH+1KW	LPWONE 2.5KWH+3KW	LPWONE 5KWH+5KW	LPWONE 10KWH+10KW
Battery Voltage	12.8V	25.6V	51.2V	51.2V
Rated Capacity	100Ah	100Ah	100Ah	200Ah
Battery Energy	1.28KWh	2.56KWh	5.12KWh	10.24KWh
Inverter Power Rate	1KW	3KW	5KW	10KW
MPPT Voltage Range	20~150Vdc	30~400Vdc	120~430Vdc	90~450Vdc
Waterproof	IP20	IP20	IP20	IP20
Communication	RS485/CAN	RS485/CAN	RS485/CAN	RS485/CAN
Dimension(mm)	460*140*280mm	450*140*570mm	500*140*700mm	620*150*1300mm
Weight (kgs)	25kgs(about)	32kgs(about)	58kgs(about)	95kgs(about)



Performance Characteristics



Notice: Voltage Based on 16S 3.2 Cell 51.2V

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