



Durable Lithium Battery use CSSUN LPBONE Balcony All-IN-ONE ESS

Balcony Energy Storage System Battery + Inverter

Brief Introduction



LPBONE Series Balcony Plug-and-Play ESS is a compact, lightweight energy storage system ideal for apartment balconies. It integrates an inverter, MPPT charger, AC charger, and LiFePo4 battery, providing safe and efficient energy storage. Easy to install and smart app-controlled, it supports self-consumption and grid feedback, offering a customizable work mode. The system supports programmable work modes and charging times, allowing users to optimize energy usage based on their needs and preferences. This flexibility ensures maximum efficiency and cost savings. Waterproof level IP65.

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

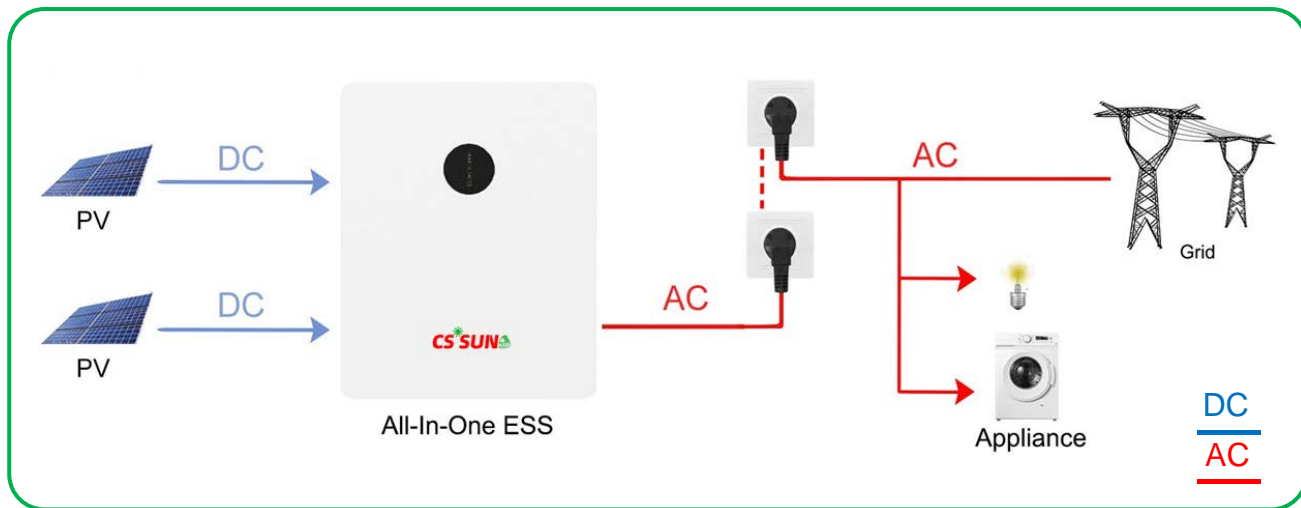
Easy installation, wall-mounted

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



Complied Standards

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



LPBONE Balcony ESS Advantage

- **Effortless Installation:** The Balcony Plug-and-Play ESS system is designed for easy, straightforward installation. Users can set it up without professional assistance, making it ideal for those who live in apartments or places with limited space.
- **All-in-One Design:** This unit combines an inverter, MPPT charger, AC charger, and a LiFePo4 battery into a single, compact system. This integration not only saves space but also enhances the efficiency and reliability of the energy storage solution.
- **Smart Control:** Equipped with a smart app, the system allows users to monitor and manage their energy storage remotely. The app provides real-time data on energy usage, battery status, and system performance, ensuring users stay informed and in control.
- **Enhanced Safety:** Featuring a reliable LiFePo4 battery, the system ensures safe operation. LiFePo4 batteries are known for their stability, long lifespan, and high safety standards, providing users with peace of mind regarding their energy storage.

Address: Building Evolution, Xingdong industry Park, NO.61, Liuxian 2nd Road, Baoan, Shenzhen, China.

Phone: +86-755-29123661 || Email: Sales@cssun.net

Website: <https://www.cssun.net>

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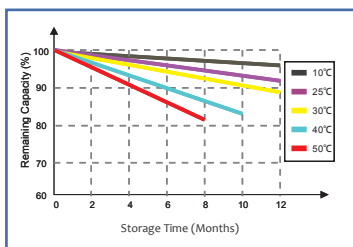
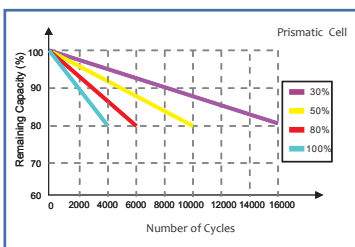
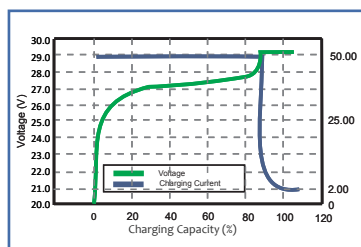
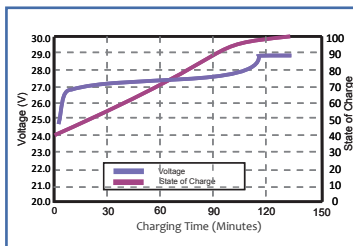
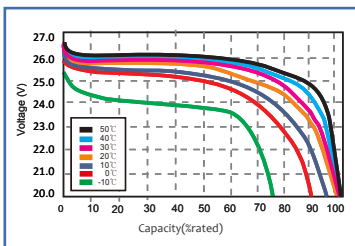
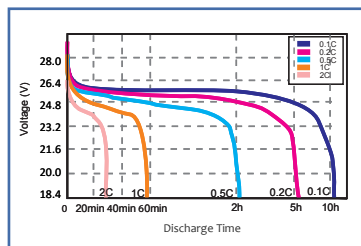
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LPBONE Series Balcony ESS LifePO4 Battery + Inverter Items specifications

Model	LPBONE 2.56KWH+1KW	LPBONE JA 2.56KWH+1KW
Battery Voltage	25.6V	25.6V
Rated Capacity	100Ah	100Ah
Battery Energy	2.56KWh	2.56KWh
Hybrid Inverter Power Rate	1KW	1KW
Rated Power	800W or 600W	800W or 600W
PV Rate Power	1000W	1000W
MPPT Voltage Range	20~50Vdc	20~50Vdc
Waterproof	IP65	IP65
AC Voltage	230Vac	110Vac(Japan/America)
Dimension (mm)	505*105*690mm	505*105*690mm
Weight (kgs)	31kgs	31kgs



Performance Characteristics of Battery



Notice: Voltage Based on 8S 3.2 Cell 51.2V

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