

12kW + 32kWh All-in-One ESS

Model: LU-AIO12-32

Overview

High-capacity integrated ESS: 12kW hybrid inverter + 32kWh LiFePO4 battery. Ideal for large homes, villas, and small commercial buildings. CE, UN38.3 certified factory direct.

Technical Specifications

Parameter	Value
Inverter Rating	12kW
Battery Capacity	32kWh
Output Voltage	220/380V (3-phase option)
Chemistry	LiFePO4
Cycle Life	≥6000 cycles
Switch-over	≤10ms
Monitoring	WiFi + 4G
Generator Input	Supported

Key Features

- 12kW hybrid inverter (3-phase capable)
- 32kWh LiFePO4 battery (expandable)
- Built-in transformer for stable output
- 10ms seamless UPS switchover
- WiFi + 4G remote monitoring
- Battery management with active balancing
- Support generator input
- Peak shaving and time-of-use optimization

Applications

Villa / large home storage • Small commercial building • Agricultural energy storage • Light industrial backup

Certifications

CE Certified, UN38.3 Certified, RoHS Certified