

7.2kW + 16kWh All-in-One ESS (US 110V)

Model: LU-AIO7-16US

Overview

US market ready: 7.2kW hybrid inverter + 16kWh LiFePO4 battery. 110V/220V split-phase output, UL compliant components. Plug-and-play for American homes. CE, UN38.3 certified.

Technical Specifications

Parameter	Value
Inverter Rating	7.2kW
Battery Capacity	16kWh
Output	120V/240V Split-phase
Frequency	60Hz
Chemistry	LiFePO4
Switch-over	≤10ms
Cycle Life	≥6000 cycles
Monitoring	WiFi + Bluetooth

Key Features

- US split-phase 110V/220V output
- 7.2kW continuous power
- 16kWh LiFePO4 battery onboard
- UL 1741 compliant design
- 10ms automatic transfer
- NEMA enclosure (outdoor ready)
- WiFi + Bluetooth monitoring
- Compatible with US grid standards

Applications

US home solar storage • Whole-house backup • Grid-tied with battery • Off-grid cabins

Certifications

CE Certified, UN38.3 Certified, RoHS Certified, UL Compliant Design Certified