



Achieved with Absen Energy

Power A Green World

SAFE | SMART | GREEN | SUSTAINABLE

ALL-HOME ENERGY SOLUTION

Absen Energy's residential energy storage solution integrates Ai model\hybrid inverter\LFP Battery\ Shelly Smart Meter\ Shelly Smart Plug\ EV charger \ Heat Pump... to meet different all-home application scenarios.

System support multi work-mode working together to help you always enjoy the green and cheaper electricity.



Efficient & Profitable

- High Intergrated Support both DC&AC-couple scenarios
- Multiple work mode :
Ai Model\TOU\Self-consumption\Back-up



Safe and Stable

- High-quality lithium-iron batteries, AI-intelligent management
- Cloud monitoring,data analyze, advance fault warning
- EMS&BMS Multi-level protection, rapid fault isolation



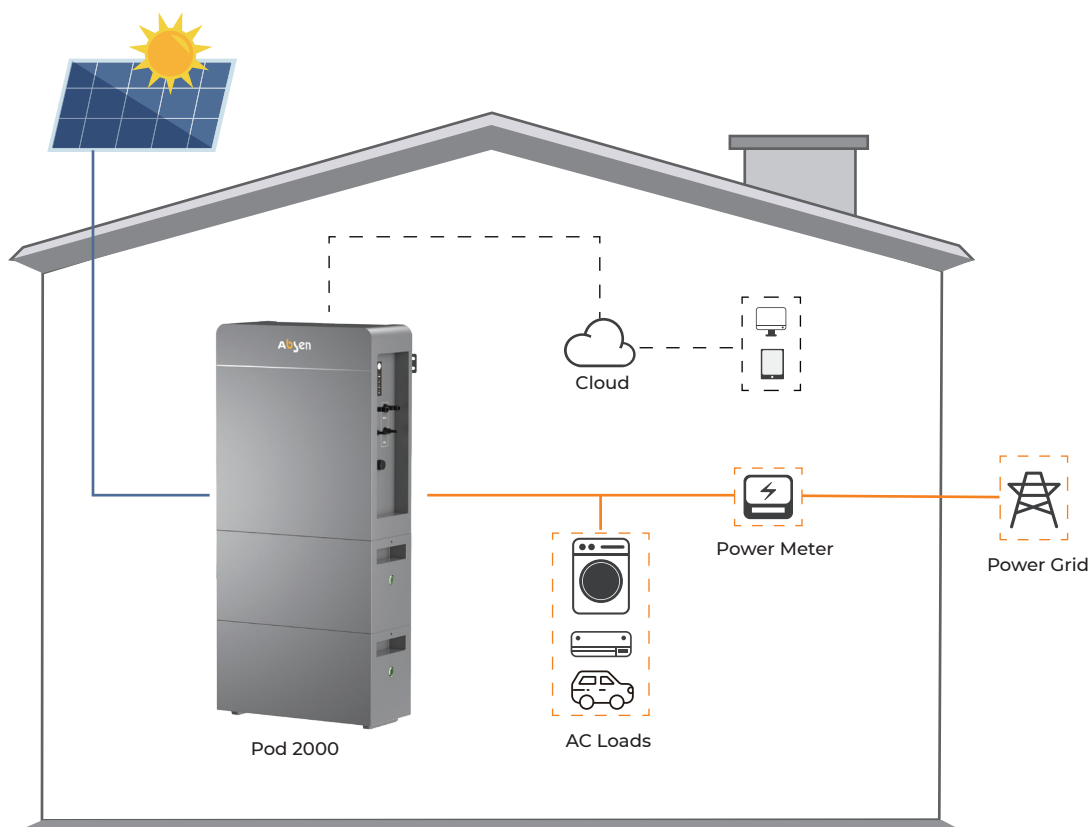
Flexible and Convenient

- Modular design, convenient installation& simple maintenance
- Support both indoor&outdoor environment



Excellent Performance

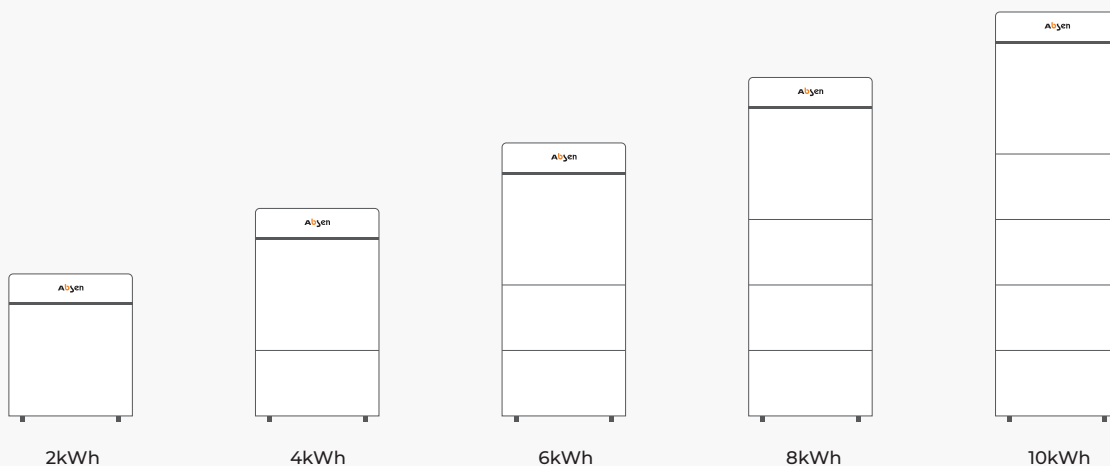
- Lower PV starting voltage and more green energy
- Back-Up supply , switching time $\leq 10\text{ms}$



PRODUCT INTRODUCTION

Balcony
Plug and play ESS

POD 2000



AI Automatic Management

Reduces daily electricity bills by over 75% at most, return-on-investment within 4.1 years



Zero Waste

Pair with Shelly Wireless Smart Meter EM Gen 3 and Plug S Gen 3



UPS

Maximum 2.4kVA off grid load*



Plug and Play

Installation can be completed in 5 minutes without installers, 0 installation costs

Rack Type
Residential Battery

Unity HV



Modular Design

Expandable from 3 modules to 12,
with a capacity range of 15kWh~60kWh



High compatibility

Can adapt to mainstream high-voltage
inverters in the market



Safe & Reliable

Using LFP battery cells, long cycle life
up to 6000 cycles



Built in intelligent BMS

Have overcharge, overdischarge, and high/low
temperature protection functions



Low-Voltage Stackable
Residential Battery

Pile LV



Modular Design

Support 1~4 modules



Perfect Compatibility

Compatible with branded inverters



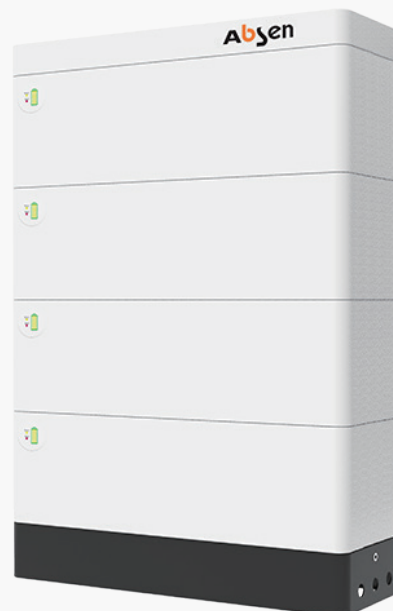
Safe & Reliable

Lithium-iron Phosphate(LFP) battery



Smart and Easy Operation

Supporting remote monitoring via RS485/CAN



PROJECT CASE



Middle East, Residential backup power system

15kW/30kWh
2024.11
On-grid | self-sufficient
Indoor installation

Slovenia, Residential Backup power system

10kW/10kWh 2024.12
On-grid | self-sufficient Indoor installation



Bohol Island, Philippines Residential Backup Power System

20kw/40kwh+10kw PV 2024.04
On-Grid | Self-Sufficient | Indoor Installation




Absen Energy

Absen

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