



# **Commercial & Utility ESS**

Reliable Energy, Wise Choice for Your Business

# COMMERCIAL AND INDUSTRIAL ENERGY STORAGE SYSTEM

Absen C&I ESS adopts All in one and modular design, which one cabinet can flexibly connect to PV, DS, and DG. And It is suitable for various application scenarios and helps customers obtain peak shifting, backup power, photovoltaic consumption, and diesel replacement.



## Profitable & efficient

- Multiple benefits: Peak-to-valley arbitrage, reducing demand costs, slowing down transformer expansion, frequency regulation, and virtual power plant response
- Efficient integration: intelligent algorithm, extended life, 98% efficiency, high space utilization with small area



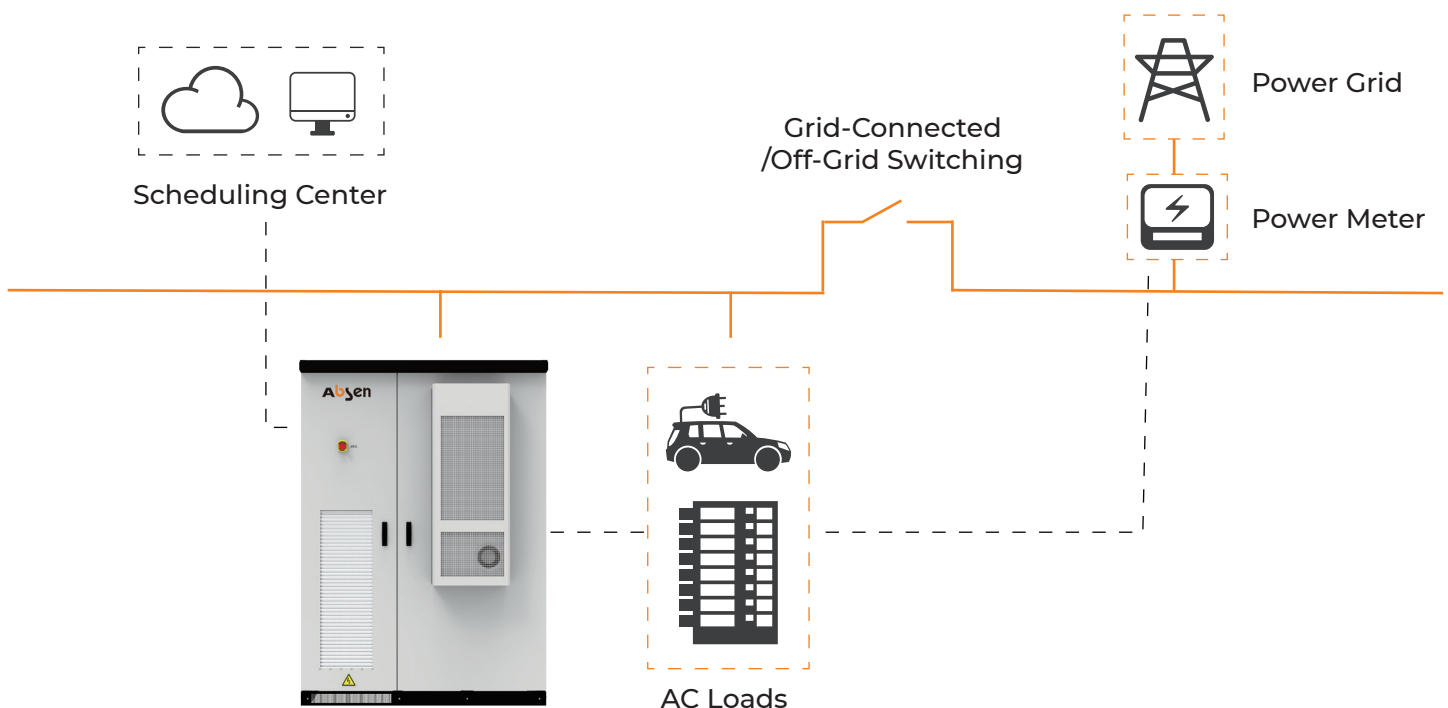
## Flexible & convenient

- Modular design, convenient installation and debugging
- Three level EMS, easy to expand and manage
- Access-friendly, flexible and diverse methods



## Safe & reliable

- Seamless switching between on-grid and off-grid to ensure power consumption for key loads
- Comprehensive cloud monitoring, rapid fault alarming
- AI intelligent management to improve thermal management capabilities
- Multi-level protection, fast fault isolation
- Improve power quality and assist power supply when the grid is unstable



## PRODUCT INTRODUCTION

---

Outdoor Distributed  
Energy Storage (Air Cooling)

### Cube 60

---

- Maximizes space utilization by reducing floor space by 55%
- Supports 0.83C high-rate discharge
- Seamless switching time  $\leq 20$  ms
- Multiple anti-theft design, remote door opening alarm



Outdoor Distributed  
Energy Storage (Air-cooling)

### Cube 125

---

- EVE high performance LFP battery
- Pre-installed in factory for easy installation on site
- Double fire suppression system design
- Effortless operation, cloud control
- Efficient and energy-saving HVAC design



Outdoor Distributed  
Energy Storage

## Cube 225

- Unlimited grid-connected expansion, support <10ms seamless switching
- Battery management system and comprehensive thermal management
- Fault classification protection mechanism
- Charge and discharge cycles  $\geq 7000$  times



Outdoor Distributed  
Energy Storage

## Cube 261

- Intelligent temperature control balance, system efficiency  $\geq 89\%$
- High-efficiency 314Ah battery, 8000 times @ 70% EOL
- Cloud platform interconnection management
- Multi-scenario application, and seamless switching between off-grid and on-grid < 20ms





## Outdoor Distributed Energy Storage

### **Cube 1000**

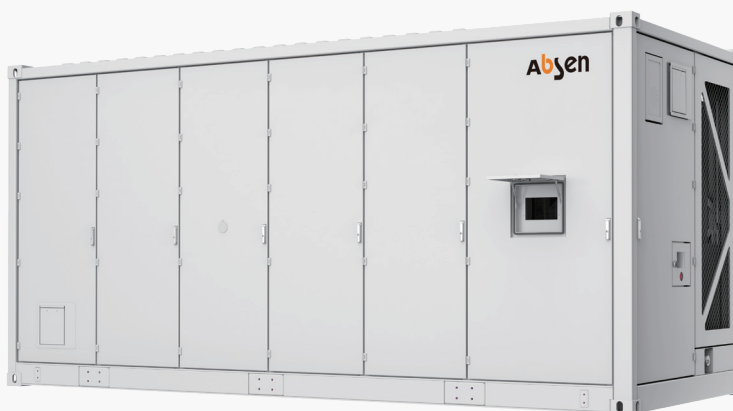
- Supports 4 cabinets parallel operation and off grid switching without communication. Pre installation in factory for easy installation on site
- Effortless operation, cloud monitoring
- Cell temperature difference  $<3^{\circ}\text{C}$



## Outdoor Distributed Energy Storage

### **AX 3700**

- 20Ft Standard container: 3.7MWh @0.5CP
- Long cycle life: 8000+ cycles
- liquid-cooling:  $\Delta$  temperature  $<5^{\circ}\text{C}$
- Cluster-level management: Availability  $>98\%$
- Side-to-side installation: 111KWh/m<sup>2</sup> Energy density



## PROJECT CASE

---

### Huizhou, Guangdong, China

---

2.3MW/4.6MWh 2024.05  
Grid | EV Charging ESS



### Guangdong, China

---

0.92MW/1.92MWh 2024.12  
On-Grid | Peak load shifting | Outdoor Cabinet



### Myanmar

---

50kW/60kWh 2024.11  
backup power | self-sufficient | Indoor installation



### Bulgaria

---

50kW/100kWh 2024.11  
On-Grid | Self-Sufficient | Indoor Cabinet



## Ruidian Green Energy Technology Co.,Ltd

📍 Office Address: A801 Building 3A, Cloud Park, Bantian, Longgang District, Shenzhen  
Factory Address: No.3, East Hua'nan Road, Dongjiang Hi-Tech Industrial Park, Huizhou

☎ 4008-036-037

🌐 [www.absenenergy.com](http://www.absenenergy.com)

[f](#) [in](#) **ABSEN ENERGY** [Q](#)