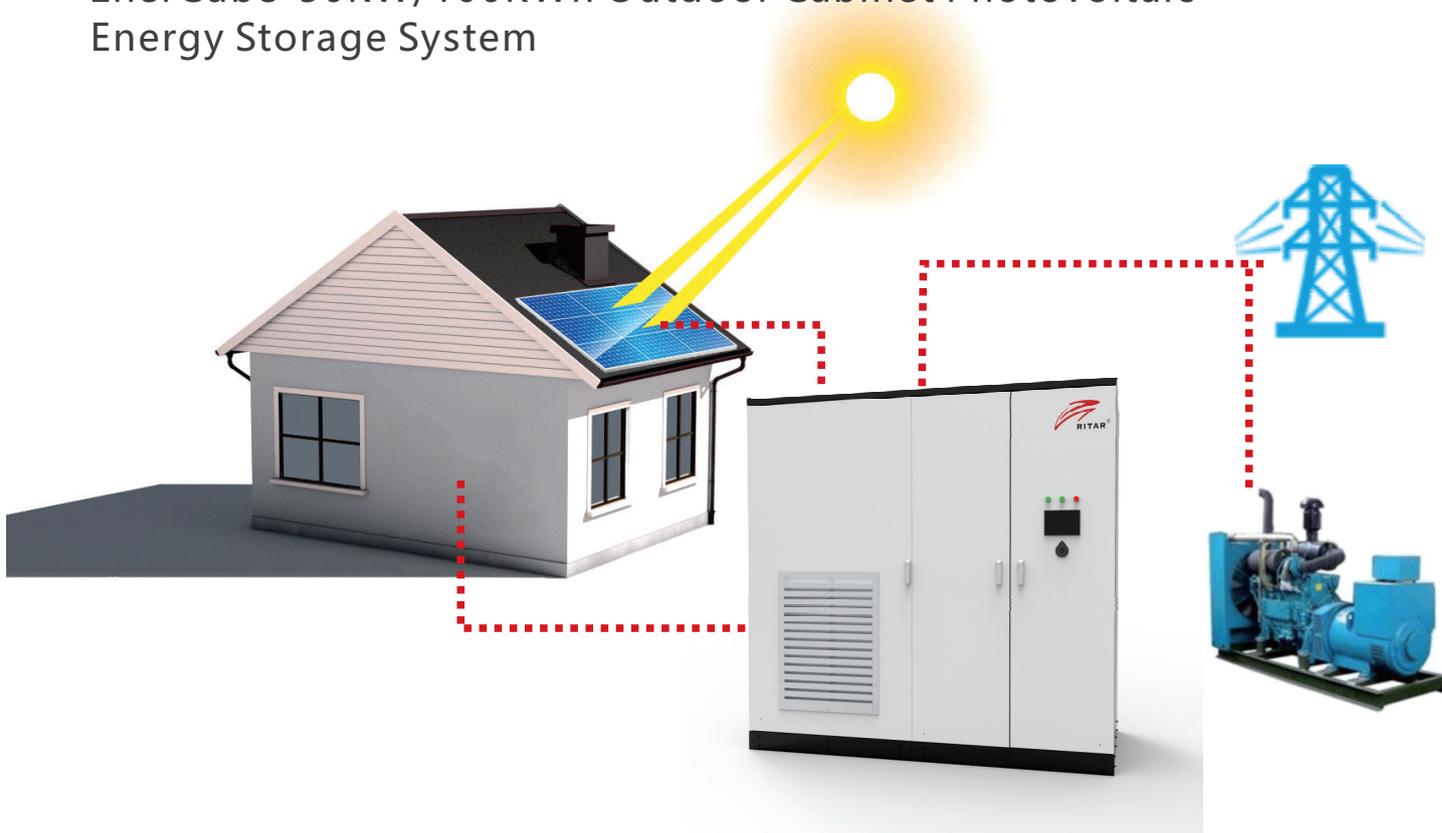


# Photovoltaic Energy Storage System

## EnerCube-50KW/100KWh Outdoor Cabinet Photovoltaic Energy Storage System



### High Safety



- Standardized cabinets realize partition safety isolation of energy storage system, active safety monitoring and early warning design, and Pack-level immersion fire technology to ensure the safety and control of the system;
- Efficient thermal management design, hierarchical linkage protection, to ensure the safe and stable operation of products;

### Efficient & Flexible



- Integrated design, highly integrated; Decentralized deployment and centralized scheduling;
- Compact structure, small footprint, easy to install operation and maintenance;
- IP54 protection grade, stronger environmental adaptability;

### Highly Integrated



- Standardized design reduces operation and maintenance costs, standardized production achieves rapid delivery, and reduces overall life cycle costs;
- High-efficiency balancing BMS: single-group string design + high-efficiency balancing technology;
- High-performance optical storage all-in-one: support load, battery, power grid or diesel generator, photovoltaic simultaneously;

### Economical & Friendly



- Multi-capability of one machine: photovoltaic + energy storage mode, solve the small power supply in remote areas, and off-grid uninterrupted power supply, dynamic capacity expansion, peak cutting and valley filling optimization power mode;
- The energy storage system is prefabricated in the factory to reduce the cost of on-site installation;
- Maximize the use of green energy and save money on electricity bills.

## EnerCube-50KW/100KWh Outdoor Cabinet Photovoltaic Energy Storage System

### ■ Performance Parameter

Model	EnerCube-50KW100KWh-H	
<b>Battery parameter</b>		
Cell type	LFP 280Ah	
Battery Pack configuration	14.336KWh/1P16S	
Battery system configuration	100KWh/1P112S	
Battery voltage range	314~403V	
Temperature measurement quantity	42	
<b>AC parameter</b>		
Rated AC power	50KW	
Maximum AC power	55KW	
Rated voltage	400V	
Rated current	72A	
Rated frequency	50/60Hz	
DC current component	<0.5%I <sub>pn</sub>	
AC current distortion rate	<3%	
Power factor	-1~+1	
Overload capacity	110% long term	
Alternating current system	Three-phase four-wire + ground wire (3W+N+PE)	
Isolation transformer	Yes	
<b>Photovoltaic parameter</b>		
Maximum photovoltaic input voltage	1000V	
Maximum photovoltaic power	60KW	
MPPT voltage range	250VDC-850VDC	
MPPT voltage range @ full load	450VDC-850VDC	
<b>Common parameter</b>		
	Outdoor battery cabinet	Hybrid inverter outdoor cabinet
Protection class	IP55	IP54
Fire protection system	Perfluorohexone + aerosol	--
Operating temperature range	-30℃ to 55℃	-30℃ to 55℃
Cooling mode	Air conditioning cooling	Intelligent air cooling
Size W*D*H (mm)	1200 * 1100 * 2280	1100 * 1100 * 2280
Weight (kg)	1800	1200
Communication mode	CAN, RS485	RS485, TCP/IP
Display	Touch LCD display	Touch LCD display
Relative humidity	5~95%RH, no condensation	5~95%RH, no condensation
Highest altitude	4500m (> 3000 Derating required)	4500m (> 3000 Derating required)
Noise	<70dB	< 70dB