

# Outdoor Cabinet Air Cooling Energy Storage System

## Epoch-S100/215-W



### Highly Integration

All-in-one Design, simple installation, easy maintenance, saves space and costs



### Safe and Reliable

Multiple fire protection design, cell level temperature detection+PACK level+cabinet level perfluorohexane fire protection+water fire protection



### Modular Design

More flexible configuration, multiple parallel connections, fast response, and ensuring continuous uninterrupted power supply for critical loads



### Intelligent Operation and Maintenance

The entire network's energy storage is visible and manageable, improving system reliability, stability, operation and maintenance efficiency, and optimizing system performance

## product feature



ALL-in-one Integrated design



Multi-level fire design, safety



Support multi-machine parallel, support grid-connected or off-grid operation



Intelligent switching of multi-mode energy control strategies

System Model	Epoch-S100/215-W
<b>Battery Parameters</b>	
Cell Type	LFP3.2V/280Ah
Battery PACK Type	1P16S
Cluster Configuration	1P240S
Nominal Energy	215.04kWh
Battery Voltage Range	672V~864V
Charge-Discharge Efficiency	≥97%
<b>AC Parameters( Grid Mode)</b>	
Rated Power	100kW
Rated Voltage	400V,3P4W
Rated Current	144A
Overload Capacity	110% Long term
Rated Grid Frequency	50Hz/60Hz self-adaption
Power Factor	0.99
Power Factor Range	-1~1
Current Distortion Rate	<3% ( Rated power)
DC Component	0.5%
<b>AC parameters (Islanded Mode)</b>	
Rated Power	100kW
Rated Voltage	400V,3P4W
Rated Current	144A
Rated Frequency	50Hz/60Hz
With Unbalanced Load Capacity	100%
<b>System Parameters</b>	
Charge and Discharge Rate	≤0.5P
Dimension(W*D*H)	1700*1066*2332mm
Weight	About 2.8t
IP Level	IP54
Altitude	2000m ( > 2000m derated use)
Operating Temperature	-25°C~55°C
Relative Humidity	0~95% No condensation
Operating Noise	≤75dB
Cooling Method ( PCS)	Intelligent air cooling
Cooling Method (Battery Compartment)	Air cooled air conditioner
Fire Protection System	PACK level+cabinet level perfluorohexanone+water fire protection (Optional: aerosol)
Communication Interface	RS485,CAN,Ethernet,Dry contact
Standards	GB/T36276,GB/T34131