

# All-in-one Air-cooled ESS Cabinet

## ECO-E215WS

The all-in-one air-cooled ESS cabinet integrates long-life battery, efficient balancing BMS, high-performance PCS, active safety system, smart distribution and HVAC into one cabinet, enabling long-term operation with safety, stability and reliability. Through AC side parallel connection, it achieves agile deployment of ESS power station with flexible capacity expansion.



### Economical and Efficient

Conversion efficiency over 90%,  
DoD over 95%.



### Safe & Reliable

IP55 protection level, optimized ventilation design,  
cells temperature difference  $\leq 6^{\circ}\text{C}$ .



### Compact

1.6m<sup>2</sup> footprint only,  
easy transportation & fast installation.



### Flexible Expansion

Modular design, simplified parallel expansion,  
fast expansion.



### Self-developed

Self-developed PACK, PCS, BMS and EMS  
with good product compatibility.



### Smart O&M

Diversified O&M access, both on APP &  
Cloud.

# Specifications

## DC Side

Cell Type	LFP 280Ah
PACK	17.92kWh/1P20S
Battery System	215kWh/1P240S
Voltage Range	672~864Vdc
Rated Voltage	768Vdc

## AC Side

Rated Power	100kW
Max. Power	110kW
THDi	≤3%
DC Ratio	<0.5%Ipn
Nominal Voltage	400Vac/3P+N+PE
Power Factor	-1 lagging~1 leading
Nominal Frequency	50Hz/60Hz

## General

Efficiency	≥90%
Charge/Discharge Rate	0.5P
DoD	95% (25±2°C)
Cycle Life	≥8,000 cycles
Switching Time	<100ms
Connectivity	Ethernet /RS485
Ingress Rating	IP55
Cooling	Forced air cooling
Operating Temperature	-25°C~55°C
Humidity	0-95%RH, non-condensing
Noise	≤80dB
Altitude	≤2,000m (derating above 2,000m)
Fire Safety	Aerosol
Dimensions (W*D*H)	1,250*1,300*2,400 (mm)
Weight	2,630kg
Compliance	UN38.3, IEC62477, IEC61000, IEC62619, IEC63056, UL9540A, EN50549

