

# EPES233

# EP ENERGY

100kW 233kWh Outdoor Liquid Cooling Energy Storage Cabinet  
For Energy Arbitrage and Improved PV Self-Consumption



#### All-in-One

Pre-assembled for easy installation  
Highly integrated for easy O&M



#### High Performance

High performance PCS  
AC coupling without DC arc



#### Safe & Reliable

High quality LFP cells  
Thermal runaway above 800 °C



#### Flexible Expansion

Low upfront CapEx  
Expand as required  
Outdoor installation



#### Long Cycle Life

Cycle life >8000 cycles  
Active liquid cooling (heating) system  
Optimized operating temperature



#### Cloud Management

Intelligent monitoring & control  
Full-dimensional security warning,  
7\*24 hours to ensure battery safety

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DC Side Parameters	
Cell Type	LFP
Nominal Voltage	832 Vdc
Operating Voltage Range	650-949 Vdc
Nominal Capacity	280 Ah
Nominal Energy	233 kWh
Charge/Discharge Rate	0.5C
System Configuration	1P260S
Module Nominal Energy	46.6kWh
Module Configuration	1P52S

AC Side Parameters	
Rated AC Power	100 kVA
Maximum AC Power	110 kVA
Nominal Grid Voltage	230/400 Vac, 3W+N+PE
Voltage Range	345~435 Vac
Nominal Grid Frequency	50/60 Hz
Total Harmonic Distortion(THDI)	<3%
Adjustable Power Factor	-1 ~ 1
DC Component	<0.5%pn
System Voltage Format	TT/TN-S/TN-C/TN-C-S

System Parameters	
Maximum System Efficiency	≥91%&0.25P, ≥89%&0.5P
Charge/Discharge Rate	0.5P
Depth of Discharge	0~95%
SOE Accuracy	<3%
Cycle Life	>8,000 Cycles & 70% EOL 95% DOD
Altitude	<2,000m, Derating Above 2,000m
Operating Relative Humidity	5~95%RH, No Condensation
Operating Temperature Range	-20°C~55°C
Thermal Management Mode	Air Cooling(PCS) + Liquid Cooling & Heating(Battery)
Rated Cooling Input Power	2.5 kW
Rated Cooling Capacity	5 kW
Rated Heating Power	2 kW
Fire Protection System	Aerosol + PACK Level Immersion + Active Warning
Ingress Protection	IP55
Anti-Corrosion Grade	C4
Noise	<72 dB
Dimension(W*D*H)	1,450 mm*1,300 mm*2,160 mm
Weight	~2,600 kg