

EPES233

105 kW / 233 kWh Outdoor Liquid Cooled Energy Storage Cabinet For Energy Arbitrage and Improved PV Self-Consumption



All-in-One Design

Quick deployment and fast installation
Built to withstand real-world conditions



Comprehensive Safety

Real-time monitoring with multi-level protection
Integrated aerosol and water fire safety system
IP55 rating, ideal for harsh environments



Advanced Liquid Cooling

Ensures optimal performance under various conditions
Extended lifespan of over 8,000 cycles



Asset Returns

Adaptable to diverse applications
Unlock new revenue through peak-shaving and energy arbitrage

EPES233

105 kW / 233 kWh Outdoor Liquid Cooled Energy Storage Cabinet

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	0.5 C
System Configuration	1P260S
Module Nominal Energy	46.6 kWh
Module Configuration	1P52S
Battery Pack Weight / Quantity	330 kg/unit, total 5 units

AC Side Parameters	
Rated AC Power	105 kW
Maximum AC Apparent Power	116 kVA
Nominal Grid Voltage	230/400 Vac, 3W+N+PE
Voltage Range	340-460 Vac
Nominal Grid Frequency	50/60 Hz
Total Harmonic Distortion(THDi)	<3%
Adjustable Power Factor	-1 - 1
DC Component	<0.5%lpn
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	0.5 P
Depth of Discharge	0~95%
SOE Accuracy	<3%
Cycle Life	>8,000 Cycles & 70% EOL 95% DOD
Altitude	<2,000 m, Derating Above 2,000 m
Operating Relative Humidity	5~95%RH, No Condensation
Operating Temperature Range	-20 °C - 50 °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
Corrosion Protection Class	C4
Noise	<72 dB
Dimensions (W×D×H)	1,450 × 1,300 × 2,160 mm
Weight	~2,600 kg