

EPES261X



125kW 261kWh 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



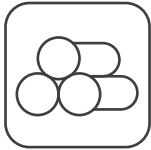
High Performance

High performance PCS
AC coupling without DC arc



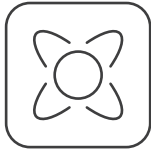
Safe & Reliable

UL9540A & NFPA approved
Explosion-proof exhaust system



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	715 ~ 936 Vdc
Nominal Capacity	314 Ah
Nominal Energy	261 kWh
Charge/Discharge Rate	0.5C
System Configuration	(1P52S) x 5S
Module Nominal Energy	52.2kWh
Module Configuration	1P52S

AC Side Parameters	
Rated AC Power	125 kVA
Rated. AC Current	180 A
Nominal Grid Voltage	230/400Vac, 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%Ipn
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