

# EPES2097

**EP ENERGY**

**900kW 2097kWh Liquid Cooling Energy Storage Container  
For Large-Scale Sustainable Energy Infrastructure**



## ● Key Features

- High energy density: 900kW 2097kWh AC coupled ESS, pre-assembled in a 20HQ container.
- Safe design: high quality LFP cells, distributed Fire Suppression System.
- Easy and efficient: Unit ships, ready to operate, pre-assembled for easy onsite installation.

Battery Parameters	
Cell Type	LFP
Nominal Voltage	832 Vdc
Operating Voltage Range	650-949 Vdc
Nominal Capacity	280 Ah
Nominal Energy	2097 kWh
Charge/Discharge Rate	0.5C
System Configuration	1P52S*9(AC coupled)
Module Nominal Energy/Configuration	46.6kWh/ 1P52S

AC Side Parameters	
Rated AC Power	900 kVA
Maximum AC Power	990 kVA
Nominal Grid Voltage	230/400 Vac, 3L+N+PE
Voltage Range	345~435 Vac
Nominal Grid Frequency	50/60 Hz
Total Harmonic Distortion(THDi)	<3%
Adjustable Power Factor	-1 ~ 1

System Parameters	
Maximum System Efficiency	≥91%&0.25P, ≥89%&0.5P
Charge/Discharge Rate	0.5P
Depth of Discharge	0~97%
Operating Altitude	<3,000m, Derating Above 3,000m
Operating Relative Humidity	5~95%RH, No Condensation
Operating Temperature Range	-20°C~50°C
Thermal Management Mode	Liquid Cooling & Heating
Rated Cooling Power	22.5 kW
Rated Cooling Capacity	45 kW
Rated Heating Power	18 kW
Rated Auxiliary Power Supply Power	24 kW
Ingress Protection	IP55
Anti-Corrosion Grade	C4
Dimension(W*D*H)	2,438 mm*6,058 mm*2,896 mm
Weight	~36,000 kg
Cell Certification	UN38.3, UL1973, IEC62619, UL9540A, GB/T 36276 IEC62477, IEC62619, IEC 62933, IEC63056, IEC60730 UL1973, UL9540A, UL9540, NFPA855, NFPA68, NFPA69