

# 1044kWh ALL IN ONE ECO-E10FT1044LP-2 LIQUID-COOLED ESS CONTAINER



The ECO-E10FT1044LP-2 is a highly integrated, standard 10-ft containerized energy storage system designed for commercial and industrial applications, with a rated AC output voltage of 400V. The system integrates STS system, providing strong off-grid load capability and supporting seamless on/off-grid switching within 20ms. It is equipped with dedicated interfaces for diesel generator connection and PV inverter connection, enabling multiple power sources to supply the system. This flexible design allows the system to adapt to various application scenarios and diverse user requirements.

Model	ECO-E10FT1044LP-2
<b>Battery Side</b>	
Cell Type	FP / 314 Ah
Pack Configuration	52.2 kWh / 1P52S
System Configuration	1044 kWh / 4P260S
Rated DC Voltage	832 V
DC Voltage Range	728 ~ 936 V
<b>Grid Side</b>	
Rated Output Power	500 kW
Max. Apparent Power	550 kVA
Rated AC Voltage	400 Vac / 3W+N+PE
Rated Frequency	50 Hz / 60 Hz
Power Factor	0.99/ -1 ~ +1
THDi	≤3%
DC Ratio	<0.5% I <sub>pn</sub>
<b>General</b>	
Cycle Life	≥ 8,000 cycles
Communication	Modbus TCP/IP
Fire Suppression System	Aerosol system(pack level and container level), water spray system
Ingress Rating	IP54
Cooling	Liquid cooling+Forced air cooling
Operating Temperature	-25°C~55°C (Derating after 45°C)
Anticorrosion Rating	C4 (C5 optional)
Humidity	5~95% RH (non-condensing)
Noise	≤ 80 dB
Altitude	3000m (Derating above 2000m)
Dimensions (W*D*H)	2991*2438*2591 mm
Weight	14 t
Certification	UN38.3, IEC62477-1, CE/EMC, IEC62619, IEC63056, UL9540A, EN50549

\*Note: The value indicated herein is a recommended reference based on PF=0.7. When the load involves motors or other types of impact loads, it is recommended to equip the system with a soft starter. Please contact Elecnova for further technical support prior to order placement.



### All-in-One 10-ft Container

Highly integrated 3S system, cooling system, and fire protection system, delivering greater capacity within a smaller footprint.



### Seamless On/off-grid Switching

The system equipped with an integrated STS, enabling seamless on-grid and off-grid switching within 20ms.



### String-Based Solution

Each battery cluster is independently managed, ensuring higher efficiency and system stability.



### Multiple Power Source Options

With reserved interfaces for diesel generator and PV inverter, the system supports multiple power sources, suiting a wide range of scenarios.