

# Liquid-cooled Container

## EL-20FT5015C

The 20-ft liquid-cooled ESS container integrates PACK, EMS, BMS, HVAC, and fire suppression system FSS into a single container. Designed for demanding applications, the 20-ft liquid-cooled ESS container is suitable for power generation, grid, and commercial & industrial (C&I) ESS scenarios that require high power and flexible capacity.



## Features



### Higher Energy Density

The 20-ft liquid-cooled energy storage container offers a maximum capacity of 5.015MWh, delivering higher energy density and reducing overall costs.



### Lower Self Power Consumption

A variable-frequency compressor adapts to temperature conditions, reducing the system's power consumption.



### Lower Operating Noise

Minimized fan usage significantly reduces operating noise compared to air-cooled solutions.



### Longer Service Life

Enhanced cell temperature consistency extends battery life, increases safety, and improves return on investment.



### Better Temperature Control

The liquid cooling system maintains cell temperature differences below 3°C, improving voltage consistency and overall performance.



### Higher Protection

The container features an IP55-rated enclosure (PACK IP65), up to C5 corrosion protection, and high/low-temperature design for robust environmental resistance.

Item	
Cell Type	LFP 314Ah
Pack Configuration	104.5kWh / 1P104S
System Configuration	5.015MWh / 12P416S
Rated DC Voltage	1331.2 V
DC Voltage Range	1165 ~ 1498 V
Max. Charge/Discharge Rate	0.5 P
Max. Depth of Discharge	100% (25 ± 2°C)
Cycle Life	≥ 8,000 cycles
Fire Suppression System	Aerosol system(pack level and container level), water spray system
Ingress Rating	IP55
Operating Temperature	-25°C~55°C (Derating after 45°C)
Anticorrosion Rating	C4 (C5 optional)
Cooling	Liquid cooling+Forced air cooling
Humidity	0~95% RH (non-condensing)
Altitude	4000m
Dimensions (W*D*H)	6,058*2,438*2,896 mm
Weight	45t
Certification	IEC62477, IEC61000, IEC62619, IEC63056, UL9540A, UN3536