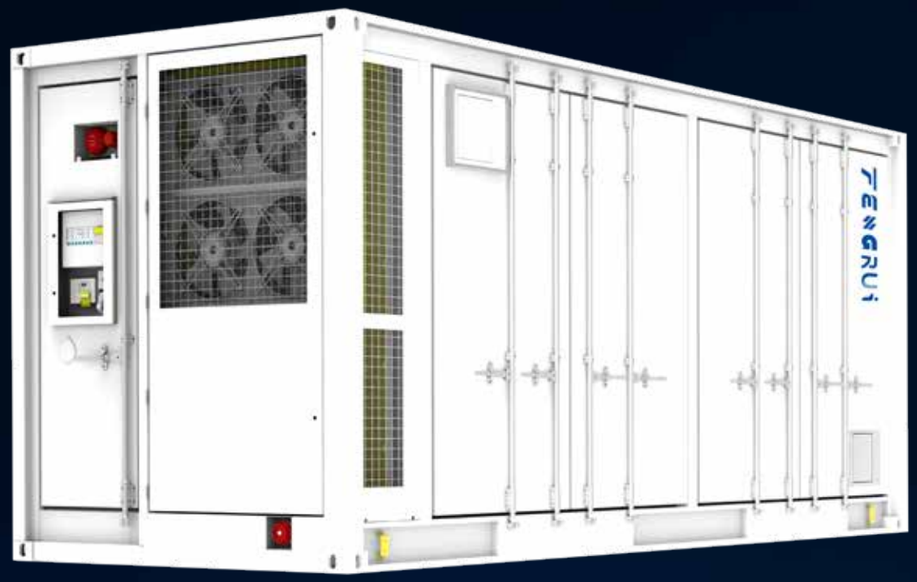
Liquid-cooled
Battery Container

Model: LA1-1M-5015K
5.015MWh



Item	
Cell Type	LFP314 Ah
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
Cooling	Liquid cooling+Forced air cooling
Operating Temperature	-25°C ~55°C (Derating after 45°C)
Anticorrosion Rating	C4 (C5 optional)
Humidity	0~95% RH (non-condensing)
Altitude	3000m
Dimensions (W*D*H)	6,058*2,438*2,896 mm
Weight	41.8 t
Certification	UN3536,IEC62619,IEC63056,IEC62477-1,IEC61000-6-2/4

- Minimized fan usage significantly reduces operating noise compared to air-cooled solutions.
- Enhanced cell temperature consistency extends battery life, increases safety, and improves return on investment.
- A variable-frequency compressor adapts to temperature conditions, reducing the system's power consumption.
- The liquid cooling system maintains cell temperature differences below 3°C , improving voltage consistency and overall performance.

Green energy, better life.

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