

CL-006 ESS 3.134 MWh Commercial & Industrial

This Product adopts a standard 20-foot Containers design and is a highly integrated energy storage system that combines batteries, PCS, liquid cooling system, and fire protection system. It is customizable and offers a variable capacity ranging from 1044 to 1567/2089 to 3134 kWh, Suitable for commercial and industrial applications, the system provides high flexibility, safety and reliability.



Product Features

Efficient & flexible

Efficient liquid cooling & heat dissipation, synchronous improvement of battery life and system discharge capacity

Modular design, convenient for battery replacement and system supplementation & expansion

All-in-one system, with synchronous improvement of energy density, power density and system efficiency and reduction of system cost

Cost reduction

Intelligent liquid-cooled temperature control to reduce auxiliary power consumption of the system

Pre-installation design for easy transportation of energy storage container

Maximum 3134kWh integrated system, effectively cost-down for large scale C&I application

Safe and reliable

Separated compartment design for electrical cabin and battery system, reduce the risk of thermal runaway

Multi-level electrical protection measures

Aerosol fire suppression + water dry pipe + ventilation system



Data Centers



Commercial
Premises



Industrial Parks



PV Storage
Charging Station



Augmentation

Technical Data

DC Parameters	
Rated Energy (kWh)	3134
Battery Cell Type (V/Ah)	3.2/314,LFP
Rated Charge/Discharge Rate	0.5P
Pack Configuration	1P52S
Grouping Method	1P260S*12
Rated voltage(V)	832
Voltage range(V)	728~936
AC Parameters	
Rated output power(kVA)	125*12
Rated AC Output Voltage(V)	400(-15%~15%)
Rated AC Output Frequency(Hz)	50/60(-5~5)
Total harmonic distortion of current	≤3%
Power factor	0.99/-1~1
Connection method	Three-phase Four-wire
System Parameters	
Cooling method	Battery System: Liquid-cooling; PCS: Air-cooling
Fire protection system	Combustible gas detector+Smoke detector+Temperature detector+ventilation system+Aerosol fire suppression+Water Fire Suppression System
Dimensions(W*H*D,mm)	6058*2896*2438
Operating temperature range(°C)	-30~50(Derating above 45°C)
Operating humidity	≤95%RH(Non-condensing)
Application altitude	<4000m(Derating above 2000m)
Noise(dB)	70dB(A) @25°C, Rated power, 1m distance
Level of protection	IP55, C4-M Anti-corrosion protection
Storage temperature range(°C)	-30~60
Communication port	CAN/RS485, Ethernet
Product certification	IEC62619、IEC62477、IEC60730、IEC63056、IEC 61000、 UL9540A、EN 50549-1、UN38.3, etc.
System configuration	
Optional configuration	2089 kWh~3134 kWh 1044 kW~1567 kW

