

ESS261Y

ESS261Y is a high-energy-density, liquid-cooled all-in-one energy storage system for commercial and industrial applications, featuring a compact cabinet design with a single-cabinet capacity of up to 261 kWh.



Features And Advantages



All-in-one design

Integrated EMS, PCS, MPPT and BMS; Supporting PV access, on-grid to off-grid switching, Covering the Photovoltaic, Storage and Diesel generator.



Ultimate security

Aerosol fire suppression systems for battery packs and systems ; Intelligent BMS active balancing provides complete protection.



Flexible Expansion

Single cabinet capacity of 232/261kWh, Support expansion of capacity up to 2.6MWh.



Smart and Efficient

Smart liquid cooling with cluster-level temperature difference under 3°C, high thermal efficiency.

Specification

Model	ESS261Y
Battery	
Battery Type	LiFePO4
Battery Capacity	314Ah
PACK Configuration	1P52S*5
Rated Current	157A
Max.Current	200A
Voltage Range	754~936Vdc
Nominal Capacity	261kWh
On-grid AC Side	
Rated Power	105kW
AC Maximum Current	167A
AC Rated Voltage	230V/400V
Wiring Method	3/N+PE
Frequency	50Hz/60Hz
Power Factor	1(Leading)-1(Lagging)
THDi	< 3% (Rated power)
Max. Number Of Parallel Expansions	
System	
Weight	2600±100kg
Dimension (W/D/H)	1055*1475*2400mm
Max. Efficiency	0.9
Liquid-cooling Power	5kW (Cooling),2kW (Heating)
Operating Temperature	-20~50°C (Derating above 45°C)
Operating Humidity	0~95%RH (Non-condensing)
Ingress Protection	IP55
Anti-corrosion Grade	C3(Optional C5)
Cooling Method	PACK Liquid-cooling + PCS Air-cooling
Noise	≤75dB
Elevation	3000m (Derating above 2000m)
Display	Touchscreen
Fire Protection	Aerosol,Multi-sensor/Water ingress,Explosion-proof ventilation
Communication	Ethernet/4G/RS485