

C&I ESS with Liquid Cooling

215KWh

Fully integrated, pre-configured commercial and industrial energy storage system saves time on-site installation.

The system includes inverter, battery tray, rack, BMS, microgrid controller, HVAC, fire suppression, and outdoor enclosure.

The unique liquid cooling system optimizes battery cooling performance by a factor of 3 to extend battery life.

The heptafluoropropane fire extinguishing system is installed in each box, which is safer and more efficient.

Integration with solar, wind, genset and other energy sources.

The system supports remote operation and maintenance.



Direct contact liquid cooling system:
 $\leq 3^{\circ}\text{C}$ temperature difference between
battery cells



Enables independent, stable power
supply when combined with PV
system



Compact design, highly integrated



Enhanced data management
through data synchronized with EMS

Technical Indicator

Model	YP ESS01-L215KW
Cell	LFP
Nominal Energy	215KWh
Nominal Voltage	768V
Capacity per Cluster	280Ah
Amount of Cluster	1 cluster
Operating Voltage Range	680V~840V
AC Output	
AC Rated Power	30KW/50KW/100KW
Rated Voltage	AC400V,3P4W+PE
Rated Frequency	50Hz /60Hz
Maximum Output Current	270A
Power Factor	1lagging-1leading
Maximum Harmonic Current	<3%(Rated output power)
Insulation Method	No insulation transformer required
General parameter	
Dimensions (L*W*Hmm)	128*1000*2400
Weight	2400kg
IP Grade	IP54
Operating Temperature Range	-20°C~ 55°C
Operating Altitude	<3000m
Cooling	Liquid cooling
Noise	<75dB
Fire Fighting System	Aerosols/Perfluorohexanone/Heptafluoropropane
Communication	Ethernet, Modbus TCP/IP
Certification	IEC 62933, IEC62619, GB_T36558