

BY5000

Liquid Cooling Container

BY5000 is a 20' container energy storage product, which adopts 375Ah cell and has a better temperature field. The system adopts intelligent liquid-cooling temperature control technology, featuring higher efficiency and longer life.



Ultimate Security

Three-stage fire protection + active venting + explosion-proof design;
Cell pressure detection, three-stage fuse, real-time insulation check



High Energy Density

Large battery, up to 5MWh in a 20ft container



Highly Efficient and Flexible

Intelligent Precision Liquid Cooling with Cluster-Level Temperature Difference of 1.5°C;
One cluster, one management string design, zero parallel connection loss



Minimalist Operation and Maintenance

Modular & non-walk-in design, pre-assembled, intelligent minimalist operation and maintenance

Technical Parameters

Model	BY5000
Battery	
Battery Type	LFP (LiFePO4)
Battery Capacity	375Ah
Rated Current	1880A
Max. Current	2120A
PACK Configuration	1P60S
PACK Quantity	7 PACK*10 Cluster
Voltage Range	1176~1500Vdc
Nominal Capacity	5.04MWh
System	
Weight	43t (TBD)
Dimension (W*D*H)	6058*2438*3400mm (TBD)
Max. Efficiency	≥93% (TBD)
Liquid-cooling Power	60kW (Cooling) (TBD)
Temperature	-20~50 °C (Derating above 45 °C)
Humidity	0~95%RH (Non-condensing)
Ingress Protection	IP55
Anti-Corrosion Grade	C5
Cooling Method	Liquid-cooling
Elevation	3000m (Derating above 2000m)
Display	Touch screen
Fire Protection	PACK/System/Water fire protection Ventilation & Explosion protection system
Communication Protocol	4G, Modbus RTU, Modbus TCP/IP
Standards-compliant	GB/T36276, GB/T34131, IEC62619, IEC63056, IEC60730, EN61000-6-2/4, IEC 62933, UL9540A