



Liquid Cooled Integrated Cabinet Energy Storage System

TB261KWH-2H-YB

TB261KWH-2H-YB All-in-one C&I Battery Energy Storage System highly integrates LiFePO4 battery, BMS, PCS, EMS, ATS, Fire protection system, temperature control system and cloud platform. The system adopts an integrated and innovative design with higher safety standards, more hassle-free management and higher profit. It can flexibly meet various needs and provide low-carbon and high-profit solutions for different application scenarios.

High integration

- Highly integrated with energy storage unit, PCS, BMS, EMS, ATS, fire protection and temperature control systems.
- Covering an area of 1.65m² and a height of only 2.07m, leading in the industry.

High safety

- Three-level protection system, accurately monitoring short circuit, over-current, over-voltage, over-temperature and other abnormalities.
- Three-level fire protection for module, cluster level and water fire protection, and two-level explosion-proof design for module and cabinet.

High efficiency

- PCS uses the third generation semiconductor silicon carbide solution.
- Intelligent liquid cooling temperature control strategy to reduce power consumption.
- System conversion efficiency up to 90%.

Intelligent management

- Built-in EMS, with the TOPBAND cloud platform to achieve remote monitoring, remote setting, revenue calculation, remote upgrade, data analysis, cloud warning and other functions.
- Mobile APP function and local web function, convenient on-site operation and maintenance.

Model		TB261KW-2H-YB
System	Nominal capacity	314Ah
	Nominal energy	261kWh
	Nominal output power	125kW
	IP rating	IP55
	Operating temperature	-30°C~+50°C (>45°C Derating)
	Cooling mode	Liquid cooling
	Fire Protection	Aerosol
	Altitude	4000m(>2000m derate)
	Cycle life	≥6000 cycles
	Dimension(W*D*H)	1100*1500*2070mm
	Weight	≈2800kg
	Certification	UN38.3
AC (on-grid/off-grid)	Nominal voltage	400V
	Nominal output current	144A
	AC access method	3W/3W+N
	Grid frequency range	50Hz/60Hz
	Power factor	-1~+1
	On grid/off grid switching time	< 2s
DC	Voltage range	728V-936V
	DC Max. current	157A
	Rated DC power	125kW
	Battery type	lithium iron phosphate (LiFePO4)
	PACK configuration	5*1P52S
Liquid Cooling System	Cooling capacity	5kW
	Rated circulating water flow	46.5@60kPaL/min
	Refrigerant	R134a
	Carrier refrigerant	Pure water, aqueous solution containing 50 per cent ethylene glycol