

Liquid-Cooled Integrated Cabinet
Energy Storage System

M125G261A



M125G261A is a newly developed C&I energy storage product for grid-connected application scenarios. The product highly integrates Li-FePO₄ battery, BMS, PCS, EMS, fire protection system, liquid cooling system. Innovative integrated design, small volume and large energy, provide customers with low-carbon and high-yield energy storage solutions.

High integration

- Highly integrated with energy storage unit, PCS, BMS, EMS, fire protection and temperature control systems.
- Covering an area of 1.35M² and a height of only 2.17m, 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 re-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

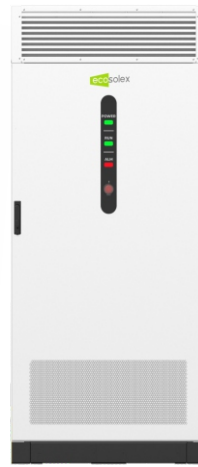
- Built-in EMS, with the TOPBAND cloud platform to achieve remote monitoring, remote setting, revenue calculation, remote upgrade, data analysis, cloud warning and other functions.
- Mobile APP function and local web function, convenient on-site operation and maintenance.

About Ecosolex

As a sub-brand of Shenzhen Topband Co., Ltd., Ecosolex delivers advanced solar, storage, and charging solutions for residential, commercial, and industrial use. Backed by Topband's decades of expertise, over 2,000 research professionals, and more than 3,200 patents, we provide reliable, safe, and sustainable energy systems. With 15 global production and R&D bases, Ecosolex empowers customers worldwide to achieve energy independence and contribute to a greener, more sustainable future.

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Model		M125G261A
System	Nominal capacity	314Ah
	Nominal energy	261kWh
	Usable energy	≥243kWh
	Nominal output power	125kW
	IP rating	IP54
	Operating temperature	-20~55°C
	Cooling mode	Liquid cooling
	Fire Protection	Aerosol
	Altitude	4000m(>2000m derate)
	Cycle life	≥8000 cycles
	Dimension(W*D*H)	1000*1350*2170mm
	Weight	≈2500kg
	Certification	GB/T36276
	AC (on-grid)	Nominal voltage
Nominal output current		180A
AC access method		3L+N+PE
Allowable voltage range		400V(-20%~+15%)
Grid frequency range		50Hz/60Hz±2.5Hz
Power factor		-0.99~+0.99
Charge/discharge conversion time		< 100ms
DC	Voltage range	728V, 949V
	DC Max. current	180A
	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