

Tyon+ C&I Energy Storage All-in-One System

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125kW | 261kWh



Product Features



Efficient Thermal Management

- Efficient intelligent cooling
- Cell temperature difference $\leq 3^{\circ}\text{C}$
- Low auxiliary power consumption (reduction $\geq 30\%$)



High-Precision Battery Management

- High-precision SOX algorithm
- Active balancing
- Real-time status monitoring



High-Performance Inverter Management

- Maximum efficiency $\geq 99\%$
- Switching time $\leq 25\text{ms}$
- Strong grid support capability



High-Safety Multi-Layer Protection

- Multiple insulation and fire protection
- PACK-level active fire suppression
- Seismic-grade response

Tyon+ C&I Energy Storage

125kW/261kWh

Product Specifications

Model		125kW / 261kWh
DC Side Parameters	System Energy	261kWh
	Number of Packs	5
	Pack Energy	52.2kWh
	Number of Cells per Pack	1P52S
	Rated Voltage	832 Vdc
	Voltage Range	728~936 V
	Ingress Protection	IP67
AC Side Parameters	Rated Power	125 kW
	Rated Grid Voltage	400Vac(3P4W+PE)
	Rated Grid Frequency	50/60 Hz
	Power Factor Range	-1~+1
	Maximum Parallel Units	>10 units
	Maximum System Efficiency	$\geq 90\%$
	Total Harmonic Dist.	$\leq 0.5\%$
System Parameters	Depth of Discharge	0~95% (adjustable)
	Cycle Life	8000+
	Response Time	$\leq 25\text{ms}$
	Ingress Protection	IP55
	Cooling Method	
	Operating Temperature	$< 3^{\circ}\text{C}$
	Communication Interface	Ethernet, CAN, RS485 (optional)
Communication	Communication Protocol	MODBUS-TCP/IP, MODBUS-RTU
Fire Protection	Fire Suppression (optional)	Aerosol + Water Spray (optional)
Dimensions	Size (W×D×H)	W1000 × D1350 × H2350mm
	Weight	2.7t
General Parameters	Operating Temperature	-20~+55°C (>45°C derating)
	Relative Humidity	0~100%
	Operating Altitude	$\leq 3000\text{m}$ (derating above 2000m)

* The product data in this datasheet are for reference only, TYON solar reserves the right to final interpretation.

