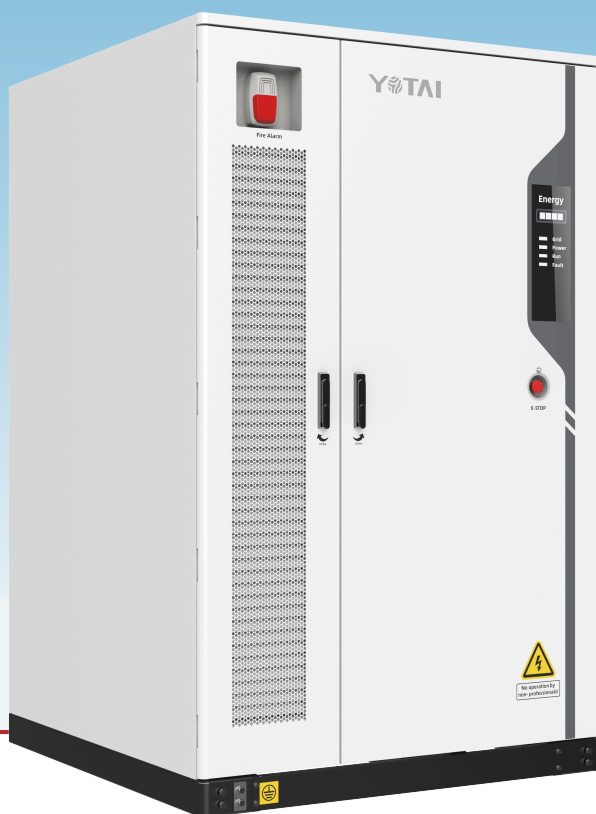




Ener Hexon® Smart261L-CE

Liquid-Cooled C&I ESS

The Ener Hexon® Smart261L-CE liquid-cooled product adopts an All-in-One design, primarily consisting of 5 liquid-cooled battery PACKs, 1 control box, 1 PCS, 1 set of BMS, 1 set of EMS, 1 liquid cooling unit, along with its cabinet structure and electrical auxiliary equipment, etc. The cabinet integrates liquid cooling pipelines. The battery rated capacity is 261.248 kWh.

Key Features: E-S³ Design Concept

Ultimate Safety: Triple Protection for Worry-Free Power

- **Proactive Early Warning:** Dual-layer monitoring and full-path protection form an integrated cloud-edge safety shield, delivering 24/7 proactive alerts.
- **Multi-Level Isolation:** Six-stage power-cut protection automatically isolates faults for safer maintenance.
- **Fire Protection Linkage:** Triple explosion-venting + triple fire-suppression system ensures effective control even under extreme conditions.

High Efficiency: Better Performance, Higher Returns

- **High Conversion Efficiency:** Next-generation SiC PCS enables charging/discharging efficiency up to 99%.
- **15% Longer Lifespan:** Minimal temperature difference ensures high consistency and extended battery life.
- **Multi-Mode Operation:** Supports grid-tied, off-grid, and VPP modes for flexible applications.

Smart & Hassle-Free: One-Click Operation, Remote Management

- **Local Visualization:** Fully operable offline—power on and run immediately.
- **Modular Design:** Block-like installation with rapid deployment and easy front maintenance.
- **All-Time Smart Control:** Cloud collaboration enables monitoring, diagnosis, and OTA upgrades.

IEC-Certified Reliability: Built to Withstand Harsh Environments

- **Full IEC Compliance:** Comprehensive certification ensures global-grade reliability.
- **Zero-Condensation & Anti-Corrosion:** Suitable for high humidity, high salinity, and harsh conditions.

Flexible Expansion: Configurable and Future-Proof

- **Scalable Architecture:** Supports multi-unit parallel expansion up to 2.5 MW.
- **Grid/Off-Grid Switchable:** Easily adapts to diverse power usage scenarios.

Technical Parameters

Model		YTDS5T261L-P0125S	
Category	Name	Parameter	Remarks
DC Parameters	Cell Type	LFP-3.2V-314Ah	
	Battery Rated Capacity	261.248kWh	
	Nominal Voltage	832Vdc	Voltage range: 728~936Vdc
	Charging/Discharging C-rate	≤0.5CP	
	Cooling Method	Intelligent Liquid Cooling	
AC Parameters (Grid-connected)	Rated Power	125kW	
	Grid Voltage	400V (-10%~10%)	
	Rated Current	180A	
	Rated Grid Frequency	50Hz/60Hz	
	Grid Frequency Range	45~55Hz/55~65Hz	
	Total Current Harmonic Distortion	<3% (at rated power)	
	Power Factor	>0.99 (at rated power)	
	Power Factor Adjustable Range	-1 (leading) ~1 (lagging)	
AC Parameters (Off-grid)	AC Off-grid Voltage	400V (-5%~5%)	
	AC Off-grid Frequency	50Hz/60Hz	
	Off-grid Output Voltage Distortion	<3% (linear load)	
System Parameters	Cooling Method	Liquid Cooling+Air Cooling	
	Fire Protection System	Aerosol + Water-based Fire Protection (optional)	
	Anti-corrosion Grade	C4	
	Protection Level	IP54 (IP55 for battery compartment)	
	Operating Temperature Range	-20°C~+45°C	Derating when >45°C
	Storage Temperature	-20°C~+35°C (≤6 months)/ -20°C~+45°C (≤1 month)	SOC @20%~50%
	Operating Humidity Range	0 ~ 95%RH	No condensation
	Installation Method	Outdoor Installation	
	Working Condition	Maximum 2 charges and 2 discharges per day	
	System Communication Interface	Ethernet/RS485	
	External System Communication Protocol	Modbus TCP/IEC104/Modbus RTU	
	Altitude	Within 4000m	Derating when >2000m
	Dimensions [mm] (W×D×H)	1400 × 1400 × 2200	
	Weight	2500+5%kg	
Certification	IEC62619, IEC60730, IEC61000, IEC62477, EN50549, VDE4105, VDE4110, VDE4120, UN38.3, UN3480		

※Information may be subject to modify without notice.

If there is any change in product size and parameters, please refer to the latest information without prior notice.