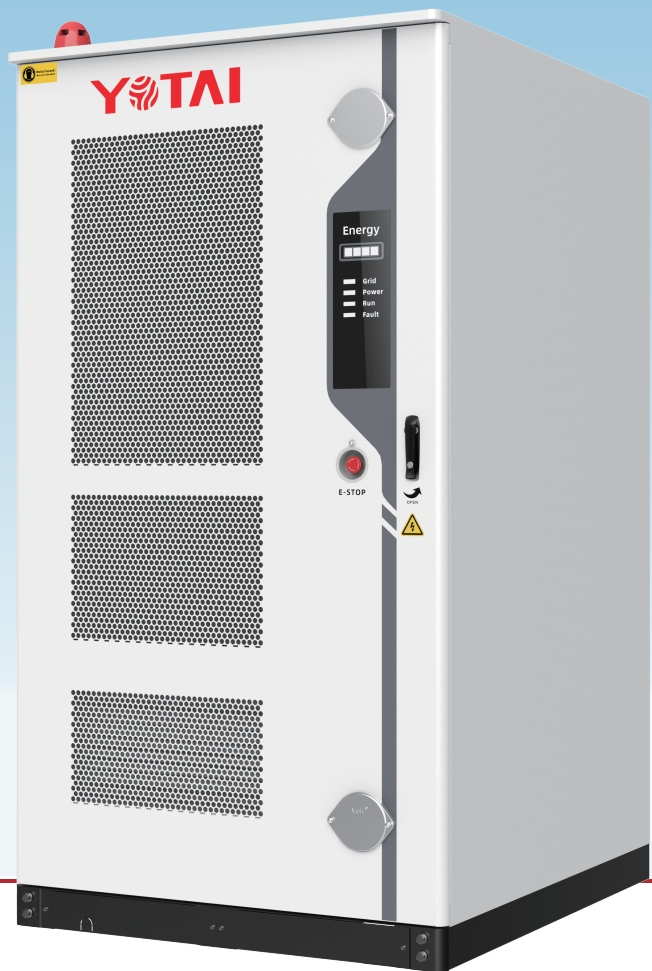


Ener Hexon[®] Smart 215 Air-Cooled C&I ESS

The Ener Hexon[®] Smart215 product primarily consists of 10 battery PACKs, 1 control box, 1 PCS, 1 set of BMS, 1 set of EMS, 1 air conditioner, along with its cabinet structure and electrical auxiliary equipment, etc. The cabinet integrates temperature control air ducts. The battery rated capacity is 215.04 kWh.



Key Features: E-S³ Design Concept

Safe

- Uses mature, safe, economical, environmentally friendly, ultra-long life, high-reliability Lithium Iron Phosphate (LFP) battery modules;
- Integrates independently developed BMS products for real-time monitoring and management;
- Adopts comprehensive battery protection strategies and fault detection/isolation measures to ensure energy storage system safety;
- Key components use internationally renowned brands for reliable quality.

Simple

- High degree of modularization, simple structure, easy installation and maintenance.

Smart

- Independent intelligent temperature control system ensures small temperature difference between modules and smooth module temperature fluctuations, extending battery life.

Technical Parameters

Model		YTDS5T0215-P0100A	
Category	Name	Parameter	Remarks
DC Parameters	Cell Type	LFP-3.2V-280Ah	
	Battery Rated Capacity [kWh]	215.04	
	Nominal Voltage [Vdc]	768	
	Voltage Range [Vdc]	672~864	
	Charging/Discharging C-rate	≤0.5CP	
	Cooling Method	Intelligent Air Cooling	
	Rated Power [kW]	100	
	Rated Grid Voltage [Vac]	400	
AC Parameters (Grid-connected)	Grid Voltage Range [Vac]	340~460	
	Rated Current	144A	
	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)	
AC Parameters (Off-grid)	Power Factor Adjustable Range	-1 (leading) ~1 (lagging)	
	AC Off-grid Voltage	400VAC	
	AC Off-grid Frequency	50Hz/60Hz	
	AC Voltage Range	±3%	
	Off-grid Output Voltage Distortion	<3% (linear load)	
	Auxiliary Power Parameter	5kVA-400Vac/50Hz	~ 3N+PE
	Fire Protection System	Aerosol	
	Noise	75db	
	Anti-corrosion Grade	C3	
System Parameters	Protection Level	IP54	
	Operating Temperature Range [°C]	-15 ~ +45	Derating when >45°C
	Storage Temperature [°C]	-20 ~ +35 (≤6 months)/ -20 ~ +45 (≤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 [m]	Within 4000m	Derating when >2000m
	Dimensions [mm] (D*W*H)	1400×1200×2200	
Certification	Weight [kg]	2450±5%	
	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.