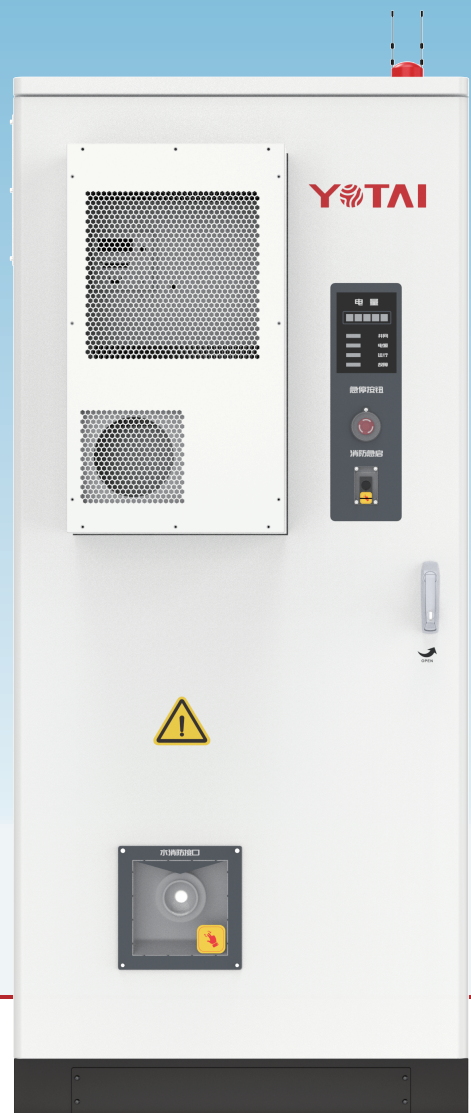


Ener Hexon® Smart 103P

PV&ESS All-in-One Cabinet

The Ener Hexon® Smart 103P is an integrated energy storage solution that combines 9 air-cooling battery packs, a 50kW hybrid inverter, a BMS, an EMS, an intelligent temperature control system, a precision suppression and explosion-proof integrated fire protection system, along with cabinet structure and auxiliary electrical equipment. It offers a rated battery capacity of 103 kWh.



Key Features:

Safe: Enhanced Safety

- Smart warning systems ensure operational safety, while precise temperature control extends product lifespan by 12%.

Simple: Space-Saving & Simplified Installation

- With a compact footprint of only 1.42m² and a modular design, the system enables swift deployment and reduces installation costs by 15% through prefabricated components.

Smart: Intelligent Operation

- Cloud-based smart O&M supported by AI enables remote monitoring and early fault detection, ensuring full lifecycle battery management. Multi-mode operation improves energy efficiency and revenue.

Expansive: Scalable Capacity

- Supports parallel expansion, easily scaling from 50kW to 150kW to accommodate a wide range of power requirements.

Technical Parameters

Model		YT-DS5T103-PV050-B02
PV	Max. input power	50kW
	Starting voltage	200V
	Max. DC input voltage	850Vdc
	Rated DC input voltage	630Vdc
	MPPT voltage range	200 ~ 850Vdc
	Qty. of MPPT	4
	Qty. of single-channel MPPT input channels	2
	Max. input current (Each MPPT)	30A × 4
Battery	Max. short circuit current (Each MPPT)	40A × 4
	Nominal capacity	103kWh
	Rated voltage	691.2Vdc
	Battery voltage range	604.8 ~ 777.6Vdc
	Rated charge/discharge current	75A
	Max. charge/discharge current	90A
AC	Rated output power	50kW
	Rated input power	50kW
	Max. output current	75A
	Rated voltage(input&output)	3L/N/PE;400V
	Grid frequency	50Hz/60Hz
	THDu	<3%@ rated power& linear load
System	Weight	Net weight 1480kg, gross weight with packaging 1570kg
	Dimensions	960 × 1650 × 2245(W× D× Hmm)
	Packing dimension	1030 × 1720 × 2400(W× D× Hmm)
	Communication mode	RS485, Ethernet, 4G
	Operating temperature	-20℃~ 50℃(>45℃derating)
	Storage temperature	-20℃ ~ 45℃
	Relative humidity	5 ~ 95%, no condensing
	Altitude	3000m (>2000m derating)
	Ingress protection	IP54
	Battery certification	IEC 62619, IEC61000, UN 38.3
	Inverter certification	IEC61000, IEC62477, IEC62109 , EN50549-1

※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.