

Ener Hexon® Smart 110P

PV&ESS All-in-One Cabinet

The Ener Hexon® Smart 110P adopts an integrated air-cooled design, incorporating 5 battery PACKs, a 50kW hybrid inverter, BMS, EMS, an intelligent temperature control system, an advanced fire suppression system with precision inhibition and explosion venting, along with cabinet structure and electrical auxiliary components. The system provides a rated battery capacity of 110 kWh.



Key Features:



Safe

- Intelligent early warning ensures operational safety; precise thermal management extends battery life by 12%.



Simple

- Occupies only 1.3 m² per cabinet. Modular design allows rapid deployment, and factory pre-assembly reduces total costs by 15%.



Smart

- Cloud-based smart O&M with AI-enhanced remote monitoring and proactive alerts ensure full battery lifecycle management. Multi-mode operation improves profitability.



Scalability

- Supports parallel expansion for a scalable power range from 50 kW to 300 kW.

Technical Parameters

Model		YT-DS5T110-PV050-B03
PV	Maximum Input Power	96kW
	Startup Voltage	210V
	Maximum PV Voltage	850Vdc
	Rated PV Voltage	620Vdc
	MPPT Operating Voltage Range	330~850Vdc
	Number of MPPTs	4
	Number of Inputs per MPPT	2
	Maximum Input Current (per MPPT)	40A×4
Battery	Maximum Short-Circuit Current (per MPPT)	50A×4
	Nominal capacity	110kWh
	Battery capacity	314Ah
	Rated Voltage	352Vdc
	Battery Voltage Range	308~396Vdc
	Rated Charge/Discharge Current	140A
	Maximum Charge/Discharge Current	165A
AC	Rated Output Power	50kW
	Maximum Output Power	50kW
	Rated Input Power	50kW
	Maximum Input Power	50kW
	Rated Output Current	76A
	Maximum Output Current	76A
	Rated Voltage (Input and Output)	3L/N/PE; 400V
	Grid Frequency	50Hz/60Hz
Temperature Control and Fire Protection	Total Voltage Harmonic Distortion	<3% @ Rated Power & Linear Load
	Temperature Control Type	Smart Air Conditioner、Smart Fan
	Fire Suppression Agent	Aerosol (or Perfl uorohehexanone)
	Fire Protection Control Type	Composite Detection、Cabinet-Level Suppression
Mechanical	Weight	Net Weight: 1370 kg Gross Weight (with packaging): 1420 kg
	Dimensions(W×D×H)	Unit Dimensions: 1000 × 1320 × 2145 mm Dimensions with Packaging: 1070 × 1390 × 2285 mm
	Communication Method	Ethernet、4G

※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.