YOTAI

Distributed ESS Cabinet
50kW/115kWh

The Ener Hexon® Smart 115 integrates a smart controller hybrid inverter, STS, high-power battery rack, temp control, fire fighting system, electrical auxiliary in a unified cabinet design. A 50kW/115kWh system managed by BMS and EMS for efficient energy control.

Ener Hexon® Smart 115

Commercial premises | Industrial park | Mine | Island | Village

Safe
Smart warning ensures energy storage safety and precise temperature control extends product life by **12%**.

Simple
Occupying only **1.265㎡** of floor space, modular deployment enables rapid installation, while prefabricated components save **15%** in costs.

Smart
Cloud-based smart operation and maintenance, AI-enabled remote monitoring and early warning ensure the full lifecycle of batteries, while multi-mode switching increases revenue.

Expansive
Hand-in-hand parallel expansion, covering a wide power range from **50kW** to **300kW** .

Technical Parameters

Model	YT-DS5T0115-P0050A
DC Parameters — Rated energy	115.2kWh
Rated capacity	150Ah(cell:LFP-3.2-150)
Rated voltage	768Vdc
Battery voltage range	672~864Vdc
Charge/discharge ratio	≤0.5CP
Rated charge/discharge current	65A
Max.charge/discharge current	75A
AC Parameters (Grid-connected) — Rated power	50kW
Grid voltage	3L/N/PE; 380V (-10%~10%)
Rated current	75 A
Rated grid frequency	50Hz/60Hz
THDi	<3%@rated power
Power factor	＞0.99@rated power
Power factor adjustable range	-1(ahead)~1(lag)
Max. efficiency	98.6%
AC Parameters (off-grid) — Off-grid voltage	3L/N/PE; 380V (-5%~5%)
Off-grid frequency	50Hz/60Hz
Off-grid THDv	＜3%@linear load
General Parameters — Weight	1450kg
Dimensions	1150*1100*2050mm (W*D*Hmm)
Communication mode	RS485, Ethernet, 4G
Operating temperature	-20~50 ℃ (>45℃ derating)
Storage temperature	-20~45 ℃(SOC@30%~50%, ＜6 months)
Relative humidity	5 ~ 95%, no condensing
Altitude	3000m (> 2000m derating)
Cooling mode	Smart air conditioner & smart fan
Protection level	IP54
Certificate	CE (IEC61000) ,CB (IEC62619)

■ Product continues to iterate, specifications may be updated without prior notice.