

Technical Parameters

Model	THJG1525-380/THJG1525-220
AC Parameters	
Rated Output Power (kW)	18
Maximum Apparent Output Power (kVA)	20
Rated Voltage(Vac)	220/380
Rated Frequency (Hz)	60
Maximum Output Current (A)	Maximum 63A per phase
Utility Bypass Current(A)	Maximum 63A per phase
Battery Power Supply Power Factor Range	0.9 (up to 1.0 at 0-40°C)
Battery Output Waveform Distortion(THD)	Linear Full Load ≤1%; Non-linear Full Load ≤4%
Battery Parameters	
Operating Voltage Range (V)	±192V (8× series connection)
Rated Discharge Current (A)	10A
Rated Charge Current (A)	50A
Single Battery Pack Capacity (kWh)	2.5
Series Rated Capacity (kWh)	25
UPS Parameters	
AC Input	3W+N+PE,AC380/400/415V,50/60Hz,3*24.8A
AC Output	3W+N+PE,AC380/400/415V,50/60Hz,3*22.8A,15kVA/13.5kw
DC Input	±192V,37.5A
Voltage Range (V)	176Vac-280Vac: 100% load; 80Vac-176 Vac: linear derating
Frequency Range (Hz)	40-7
Input Power Factor	≥0.99
Input THDI	Resistive Full Load: ≤3%; Non-linear Full Load: ≤5%
Charging Current (A)	Adjustable 1-10A (Default: 4A)
Voltage (V)	L-N: 220/230/240V (Factory Default: 220V); L-L: 380/400/415V (Factory Default: 380V)
Frequency (Hz)	When utility is normal, tracks bypass input; when utility is abnormal, the unit operates at 50±0.1Hz or 60±0.1Hz (Factory Default: 50Hz)
Waveform	Sine Wave
Voltage Distortion	Resistive Full Load ≤1%; Non-linear Full Load ≤4%
Power Factor	0.9 (PF=1.0 can sustain full load continuously)
Overload Capacity	Inverter: ≤115%: No Protection, 115%-130%: 15min, 130%-155%: 1min, >155%: 200ms Bypass: ≤130%: No Protection, 130%-155%: 1min, >155%: 200ms
DC Start Function	Equipped with
Panel Display	UPS Operating Status Displayed on LCD
Communication Interface	RS485
Alarm Function	Battery Low, Utility Abnormal, UPS Fault, Output Overload, etc.
Protection Functions	Battery Under-voltage Protection, Overload Protection, Short-circuit Protection, Over-temperature Protection, Input Over-voltage Protection, Communication Fault, etc.
Acoustic Noise (dB)	<55°C (Ambient Temperature)
Temperature Control System	
Temperature Control System	Equipped with Over-temperature / Under-temperature Protection
Fire Protection System	
Passive Fire Protection	Equipped with Fire Alarm (Smoke Detector)
Passive Fire Protection	Equipped with Water Leakage Detection
Environmental Parameters	
Operating Temperature Range (°C)	-20°C~+50°C
Operating Altitude (m)	2000
Protection Level	IP54
Relative Humidity Range (%)	0%-95% Non-condensing

XIAMEN TAIHANG TECHNOLOGY CO.,LTD

Add: No.573, 4&5th. Floor, TongLong 2nd Road, Torch Industrial Development Zone, XiangAn, 361006 Xiamen, China

Tel : +86-0592-5764219 Fax : +86-0592-5764098 Email: taihang@taihang.cc <http://www.promov.cc>



Intelligent Integrated Energy Storage Cabinet

Offering efficient, energy-saving, intelligent, and fully integrated site solutions

XIAMEN TAIHANG
TECHNOLOGY CO.,LTD



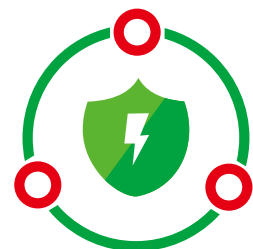
Product Model

- THI-JG-1525-380
- THI-JG-1525-220



Intelligent Integrated Energy Storage Cabinet

The Intelligent Integrated Energy Storage Cabinet provides small commercial users with an outdoor energy storage solution. Store electricity when the electricity price is low and use the stored power when the electricity price is high, reduce electricity costs, support green power continuity, feature plug-and-play battery packs, and automatically switch to battery power mode during utility outages. The system is highly efficient, improves power quality, saves electricity costs, and ensures uninterrupted commercial power supply. The cabinet consists of the enclosure, solid-state battery packs, Battery Management Unit (BMU), control unit, inverter modules, and environmental management unit. The cabinet also reserves space for additional battery packs. All components are factory-prefabricated, pre-installed, and pre-commissioned, making the system suitable for rapid on-site deployment and installation.



Reliable

Battery features self-protection against high temperature and water ingress, with no fire risk.

1) Power Management System

Battery charging and discharging, separate monitoring of AC and DC voltage and current, electricity billing and statistics (for reference only).

2) Temperature Management System

When the temperature exceeds 40°C, the exhaust and supply circulation fans start to operate, maintaining a synchronized internal cabinet temperature.

3) Intelligent Management System

Real-time status updates and remote diagnostics, battery group-level management.

4) Energy Saving Management System

Features peak shaving, valley filling, and uninterruptible power supply functions.

5) Environmental Control System

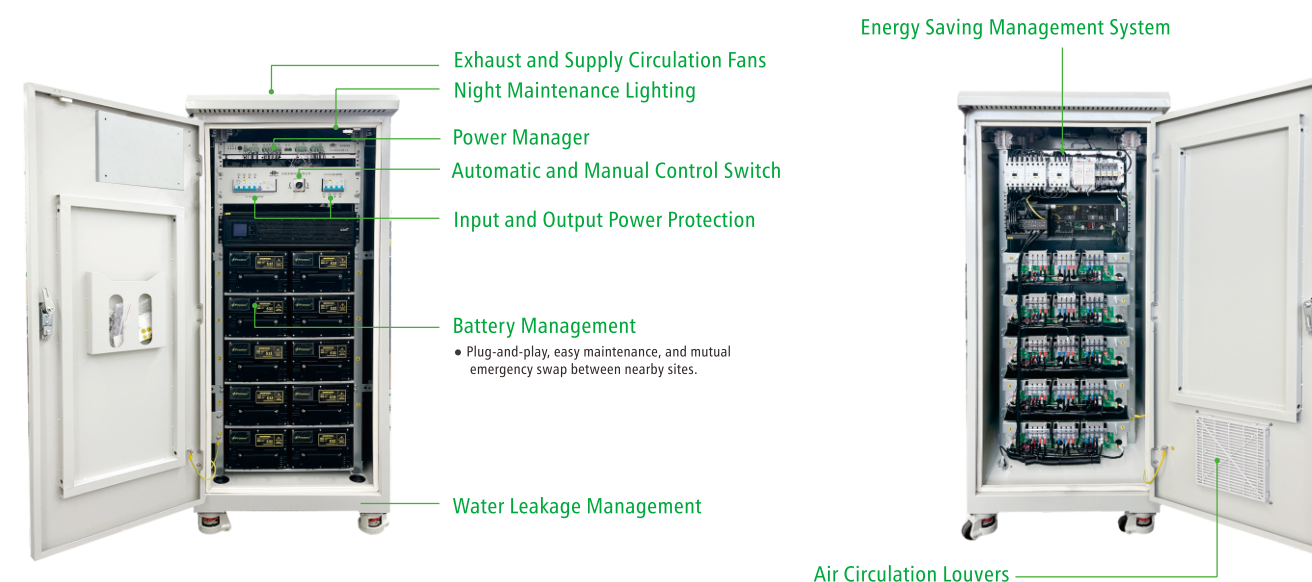
Environmental monitoring system: smoke detection, water leakage, temperature, and humidity.

Model Definition

TH JG 15 25 – 380

- Operating Voltage: 380-380V, 220-220V
- Maximum Energy Storage: 25kWh
- Rated Output Power: 15kVA
- Product Type: Cabinet
- Product Series Number: TH

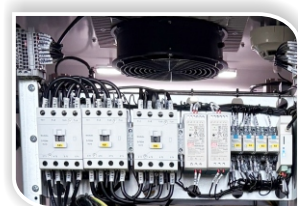
Cabinet Introduction



Cabinet Advantages

1 Energy Saving Management System

- Store electricity when the electricity price is low and use the stored power when the electricity price is high, uninterruptible power supply.



2 Power Management System

- Battery charging and discharging, separate monitoring of AC and DC voltage and current, electricity billing and statistics.



3 Ready-to-use Solid-state Battery

- Plug-and-Play.



4 Environmental Monitoring System

- Smoke detection, water leakage, temperature, humidity, and air pressure.

