PowerCore

C&I All-in-One Energy Storage System
100kW / 233kWh

Smart Power, Built to Last.

CATL 280 Ah
Battery Packs

< 2 °C
Difference Between Battery Cells

< 1 Day
Installation Time

Fully Certified
Globally

15 Years
Design Life [1]

PPB level
Battery Quality Control [2]

Powered by PANGUOS From WHES

Economical

- Highly integrated ESS for easy transportation and O&M.
- The integrated design allows the site to be quickly set up and used.

Liquid cooling

- The temperature deviance of battery cells in the whole system is within 2°C, due to intelligent liquid cooling system.
- It can expand the life time of the battery cells up to 20%.

Friendly

- High energy density, with a footprint of only 0.86m^2.
- No foundation required, simplifying setup.
- < 65dB, suitable for diverse environments.

Safe

- The system has four levels management structure which can accurately provide short circuit protection, over current protection, over voltage protection, under voltage protection, over temperature protection, etc.

Applications

Shopping Mall
Factory
Farm
Community

Contact Us

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[1] Over 80% SOH remaining (after 10 years).

[2] Reduced the failure rate of cells to one part per billion.

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Technical Specifications

Model	WH-TIANWU-100-233B
Battery Parameters	
Rated Capacity	233 kWh
Rated Voltage DC	832 V
Battery Type	LFP (from CATL)
Cell Specification	3.2 V 280 Ah
System Battery Configuration	1P*52S*5S
AC Parameters	
Rated Power	100 kW
Max. Output Power	110 kW
Rated Voltage AC	400 V, 3W+PE
Rated Frequency AC	50/60 Hz
Max. THD of Current	< 3% (at nominal power)
Power Factor	-1...+1
General Data	
Protection Level	IP55
Inverter Topology	Non-isolated
Operating Temperature Range	-20°C...+55°C (derating @ > 45°C)
Cooling Method	Air cooling (PCS) Liquid cooling (Battery)
Altitude	2000 m
Communication Protocols	Modbus, TCP/IP
Dimensions (W*D*H)	1400*1350*2100 mm
Weight	~2700 kg
Standard[1]	EMC, IEC 62619, EN 50549, G99, VDE4105, CEI016, CEI021, AS4777.2, C10/11, UL9540A, UN38.3

[1] For all standards refer to the certificates category on the WHES website.