

# 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 <sup>1</sup>

**PPB level**  
Battery Quality Control <sup>2</sup>

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%.

### 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

[www.whes.com](http://www.whes.com)  
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<sup>1</sup> Over 80% SOH remaining (after 10 years).

<sup>2</sup> Reduced the failure rate of cells to one part per billion.

# PowerCore

## Technical Specifications

Model	WH-TIANWU-100-233B
<b>Battery Parameters</b>	
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
<b>AC Parameters</b>	
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
<b>General Data</b>	
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 <sup>1</sup>	EMC, IEC 62619, EN 50549, G99, VDE4105, CEI016, CEI021, AS4777.2, C10/11, UL9540A, UN38.3

<sup>1</sup> For all standards refer to the certificates category on the WHES website.