

PC-G1

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

WHES

CATL 280 Ah

Battery Packs

< 1 Day

Installation Time

UL9540A

Certified

PPB level

Battery Quality Control¹

Powered by

WHES OS



Economical

- Highly integrated all-in-one design.
- Easy transportation and O&M.

Safe & Reliable


- IEC 62933, UL9540A certified.
- Four-level protection (Pack-Rack-PCS-System), independent MSD.
- Smoke & heat detectors; audible & visual alarm; aerosol suppression.

Applications

 Shopping Mall

 Farm

 Factory

 Community

Contact Us

www.whes.com

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¹ Reduced the failure rate of cells to one part per billion.

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Technical Specifications

Model	WH-TIANWU-100-233B
Battery	
Battery Type	LFP , 3.2 V / 280 Ah
Battery PACK Configuration	1P*52S
Battery Capacity	233 kWh (46.59 kWh * 5)
Rated Battery Voltage / Voltage Range	832 V / 650...949 V
AC Parameters (On-grid)	
Rated Output Power	100 kW
Rated Voltage	3/N/PE, 400 V (N only for Auxiliary power supply)
Voltage Range	360...440 V
Rated Output Current	144 A
Rated Frequency	50 Hz
Frequency Range	45...55 Hz
Total Harmonic Distortion (THDi)	< 3%
Power Factor	-1...+1
General Data	
Topology	Non-isolated
Dimensions (W*D*H)	1400*1350*2100 mm
Weight	~ 2.7 t
Operating Temperature Range	-20°C...+55°C (derating @ > 45°C)
Relative Humidity	0...95%
Altitude	≤ 2000 m
Cooling	Smart Air Cooling (PCS) Liquid Cooling (Battery)
Noise	< 75 dB
Ingress Protection	IP 55
Corrosion	C5
Display	LCD / LED / APP
Firefighting	Smoke Detector, Heat Detector, Alarm Sounder, Aerosol, Sprinkler Optional: Flammable Gas Detector, Vent Plate
Communication	RS485 / CAN / Ethernet
Installation	Floor-standing
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.