

PC-G2

C&I Energy Storage System
62.5-250kW / 500kWh

WHES

In cooperation with

TESVOLT
Free to go green.

2/4/6/8 Hours
Flexible Solutions

Max. **6** Units
in Parallel

CATL 306 Ah
Battery Packs

VDE 4110
Certified

Powered by

TESVOLT
TESVOLT ENERGY



Flexible

- Modular AC/DC design, 2/4/6/8h flexible configurations.
- Up to 6 units in parallel, 1.5MW / 3MWh total capacity.

Superb

- CATL 306Ah battery packs with UL9540A certified.
- VDE 4110 certified.
- Supports peak shaving, dynamic expansion, fast frequency response.

Safe & Reliable

- IP55 (Battery cabinet) / IP65 (PCS).
- Four-level¹ active and passive fire protection.

User-Friendly

- Patent wall-mounted liquid cooling & auto-fluid refill.
- <65 dB low-noise operation.

Applications

- Shopping Mall
- Factory
- Farm
- Community

Contact Us

www.whes.com
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¹Four-level fire protection includes smoke/temperature detection, aerosol, water suppression, and pressure relief.

PC-G2

Technical Specifications

Model	IA-62.5kW/500kWh	IA-125kW/500kWh	IA-187kW/500kWh	IA-250kW/500kWh
Battery				
Battery Type	LFP , 3.2 V / 306 Ah			
Battery PACK Configuration	1P*52S			
Battery Capacity	509 kWh (50.92 kWh * 5 * 2)			
Rated Battery Voltage / Voltage Range	832 V / 728...936 V			
Max. Charging/Discharging Current	102.3 A	102.3 A*2	102.3 A*3	102.3 A*4
Max. Charging/Discharging Power	61 kW / 63.7 kW	122 kW / 127.4 kW	183 kW / 191.1 kW	244 kW / 254.8 kW
AC Parameters (On-grid)				
Rated Output Power	62.5 kW	125 kW	187 kW	250 kW
Rated Voltage	3/N/PE, 400 V (N only for Auxiliary power supply)			
Voltage Range	360...440 V			
Rated Output Current	90.2 A	180.4 A	270.6 A	360.8 A
Rated Frequency	50/60 Hz			
Total Harmonic Distortion (THDi)	< 3%			
Power Factor	-1...+1			
General Data				
Topology	Non-isolated			
Dimensions (W*D*H)	1940*1500*2100 mm (Battery Cabinet) 1000*1500*2100 mm (PCS Cabinet)			
Weight	~ 4.5 t (Battery Cabinet) ~ 0.7 t (PCS Cabinet)			
Operating Temperature Range	-20°C...+55°C (derating @ > 45°C)			
Relative Humidity	0%...100%			
Altitude	≤ 2000 m			
Cooling	Smart Air Cooling (PCS) Liquid Cooling (Battery)			
Noise	< 65 dB			
Ingress Protection	IP 55			
Corrosion	C5			
Display	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	IEC62619, IEC63056, IEC62477, IEC61000, EN50549-10, EN50549-2, VDE4110, UL9540A, UN38.3			

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

Recommend Order Options	IA-62.5kW/500kWh-DA10	IA-125kW/500kWh-DA10	IA-187kW/500kWh-DA10	IA-250kW/500kWh-DA10
	AC-62.5kW-1B10 DC-500kWh-EA10	AC-125kW-2B10 DC-500kWh-EA10	AC-187kW-1B10 DC-500kWh-EA10	AC-250kW-2B10 DC-500kWh-EA10

* All information reflects the current state of technology at the time of printing and is subject to change. Despite careful editing, no liability is assumed.