

PC-G2

C&I Energy Storage System
250kW / 509kWh

WHES

2/4/6/8 Hours
Flexible Solutions

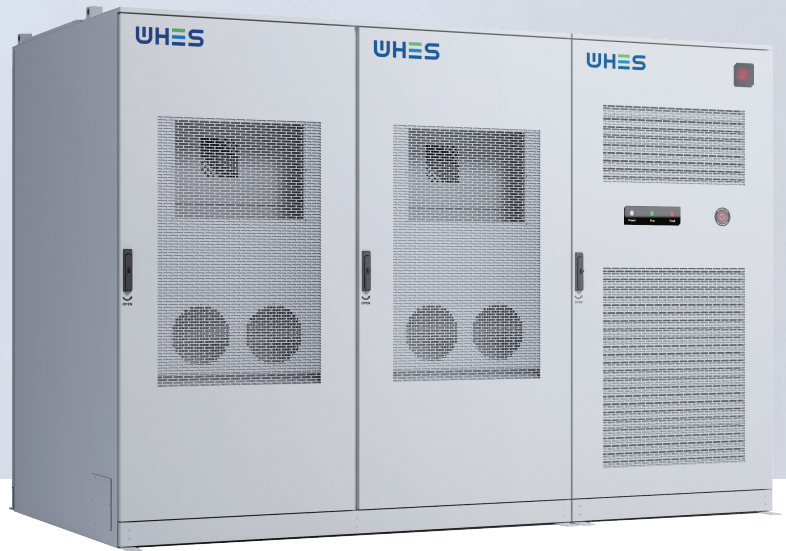
Max. 6 Units
in Parallel

CATL 306 Ah
Battery Packs

VDE 4110
Certified

Powered by

WHESOS



Flexible

- Modular AC/DC design, 2/4/6/8h flexible configurations.¹
- 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

- IP67 (battery pack) / IP55 (battery cabinet) / IP65 (PCS).
- 3-layer fire protection² (detection, suppression, isolation)

User-Friendly

- Patent wall-mounted liquid cooling & auto-fluid refill.
- <65 dB low-noise operation.³

Applications

 Shopping Mall

 Factory

 Farm

 Community

Contact Us

www.whes.com
info@whes.com



¹2-8h systems use a centralized management architecture with a 3-tier topology.

²3-layer fire protection includes: smoke & temperature & gas detection, audible-visual alarms, rack-level aerosol suppression and water suppression and explosion venting.

³Noise measured at 1 m.

PC-G2

Technical Specifications

| | |
|---------------------------------------|---|
| Model | 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*4 |
| Max. Charging/Discharging Power | 244 kW / 254.8 kW |
| AC Parameters (On-grid) | |
| Rated Output Power | 250 kW |
| Rated Voltage | 3/N/PE, 400 V (N only for Auxiliary power supply) |
| Voltage Range | 360...440 V |
| Rated Output Current | 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, Aersol, 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.

| | 2h System | 4h System | 6h System | 8h System |
|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------------|
| Recommend Order Options | AC-250kW-2B10 DC-500kWh-EA10 | AC-250kW-2B10 2* DC-500kWh-EA10 | AC-250kW-1B10 3*DC-500kWh-EA10 | AC-250kW-2B10 4* DC-500kWh-EA10 |

* For additional configurations or requirements, please contact us or visit: www.whes.com

* 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.