PC-G2

C&I Energy Storage System
250kW / 500kWh

WHES

In cooperation with

TESVOLT
Free to go green.

2/4/6/8 Hours
Flexible Solutions

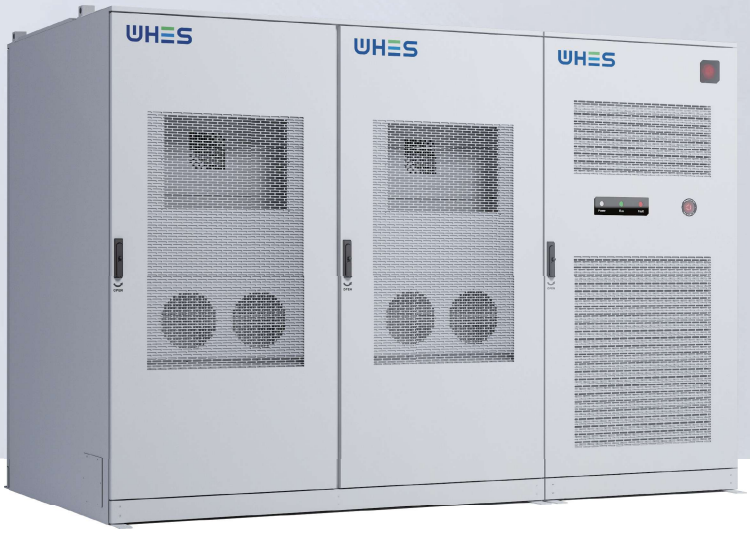
Max. 6 Units
in Parallel

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-level [1] 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.tesvolt.com
service@tesvolt.com
+49 (0) 3491 / 87 97 100

[1] Four-level fire protection includes smoke/temperature detection, aerosol, water suppression, and pressure relief.

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.

Recommend Order Options	IA-250kW/500kWh-DA10
	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.