

PC-G3

C&I All-in-One Energy Storage System
125kW / 261kWh



From All-in-One to
All-in-Instant

1.5 m² Footprint
6 m² for 1 MWh System

314 Ah LFP Battery Cells
Up to 8,000 Cycles

4 Hours
Support 4h System¹

> 88 %
Round-trip efficiency²

Up to **24** Units
On-grid in Parallel

EU Standards
Fully compliant

Powered by



Compact & Integrated

- Modular design of HV, EMS, BMS & power distribution for easy maintenance.
- 174 kWh/m² energy density.
- Seamless side-by-side installation.

Superb Performance

- 110% overload capability.
- Up to 24 units (on-grid).

Safe & Reliable

- Operates in -30°C to 55°C for harsh environments.
- 3-layer fire protection³ (detection, suppression, isolation) + 4-layer electrical protection with AI-enabled monitoring.

Intelligent Optimization

- <65 dB low-noise operation.
- Integrated WHES OS EMS with AI predictive maintenance (minimize downtime & O&M costs).
- Dynamic optimization for arbitrage & demand response for maximized ROI.

Applications

Shopping Mall

Farm

Factory

Community

Contact Us

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¹4h system available with external battery cabinet with same design.

²>88% efficiency under standard test conditions.

³3-layer fire protection includes: smoke & temperature & gas detection, audible-visual alarms, pack- & rack-level aerosol suppression, forced ventilation and explosion venting.

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Technical Specifications

Model	IA-125kW/261kWh-CG10
Battery	
Battery Type	LFP , 3.2 V / 314 Ah
Battery PACK Configuration	1P*52S
Battery Capacity	261 kWh (52.25 kWh * 5)
Rated Battery Voltage / Voltage Range	832 V / 650...949 V
AC Parameters (On-grid)	
Rated Output Power	125 kW
Max. Apparent Output Power	137.5 kVA
Rated Voltage	230 V/400 V, 3W+N+PE
Voltage Range	340...460 V
Rated Output Current	180 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)	1000*1500*2250 mm
Weight	~ 2.5 t
Operating Temperature Range	-30°C...+55°C (derating @ > 45°C)
Relative Humidity	0...95%
Altitude	≤ 2000 m
Cooling	Smart Air Cooling (PCS) Liquid Cooling (Battery)
Noise	< 65 dB
Ingress Protection	IP 55
Corrosion	C5
Display	LCD / LED / APP
Firefighting	Smoke Detector, Heat Detector, Alarm Sounder, Aerosol, Sprinkler, Flammable Gas Detector, Vent Plate
Communication	RS485 / CAN / Ethernet
Installation	Floor-standing
Standard ¹	IEC 62477, IEC 61000, IEC 62109, IEC 62619, IEC 63056, EN 50549-2, EN 50549-10, UL9540A, UN38.3

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