PowerCore

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

Always On, Energy for All.

2/4/8 Hours
Flexible Solutions

Five-Level
Protection

CATL 306 Ah
Battery Packs

VDE 4110
Certified

Powered by PANGUOS From WHES

Completely Flexible

- Modular AC/DC design for flexible configurations and easy expansion.
- Supports 0.5C/0.25C/0.125C storage solutions for various applications.
- Cluster management reduces internal circulation, extending lifespan.

Reliable and Stable

- CATL 306Ah battery pack for high energy density and long cycle life.
- UL9540A certified with quadruple fire protection.[1]
- Independent cluster control ensures uninterrupted operation during PCS failures.

User-Friendly

- Forklift or crane installation compatible.
- Side-by-side parallel setup and side cabling for seamless deployment.
- Wall-mounted liquid cooling, easy maintenance.
- Built-in protections against overcharge, over-discharge, and short circuits for worry-free use.

Multi-Scenario Applications

- VDE 4110 certified for large-capacity grid compliance in Germany.
- Supports peak shaving, dynamic capacity expansion.
- Rapid grid response for frequency stabilization.

Applications

Shopping Mall
Factory
Farm
Community

Contact Us

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[1] Quadruple fire protection includes smoke/temperature detection, perfluorohexanone agents, water suppression, and pressure relief.

PowerCore

Technical Specifications

Model	IA-62.5kW/500kWh-DA10	IA-125kW/500kWh-DA10	IA-187kW/500kWh-DA10	IA-250kW/500kWh-DA10
Battery (DC)				
Rated Energy	509 kWh			
Battery Type	306 Ah			
Rated DC Voltage	832 V			
DC Voltage Range	728...936 V			
Grid Connection (AC)				
Rated AC Power	62.5 kW	125 kW	187 kW	250 kW
Max. AC Power	62.5 kW	125 kW	187 kW	250 kW
AC Power Frequency	50/60 Hz			
Normal AC Voltage	400 Vac			
AC Voltage Range	360...440 V			
Grid Connetion Type	3W+N+PE			
THDi	< 3%			
Power Factor Range	-1...+1			
Max. Efficiency	98.5%			
General Data				
Dimensions (W*D*H)	1940*1500*2100 mm (Battery) 1000*1500*2100 mm (AC Side)			
Weight	~5.2 t			
Ingress Protection	IP55			
Anti-corrosion	C5			
Noise	70 dB			
Operating Relative Humidity	0%...100% (No condensation)			
Operating Temperature Range	-20°C...+55°C			
Cooling Method	Liquid cooling (Battery) Smart Fan (AC Side)			
Altitude	4000 m (@derating > 2000m)			
Communication	CAN, RS485			
Standard [1]	IEC62619, IEC63056, IEC62477, IEC61000, EN50549-10, VDE4110, UL9540A, UN38.3			

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

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

* 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.