

PowerCore

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

VOLTA
ECO SYSTEMS

Always On, Energy for All

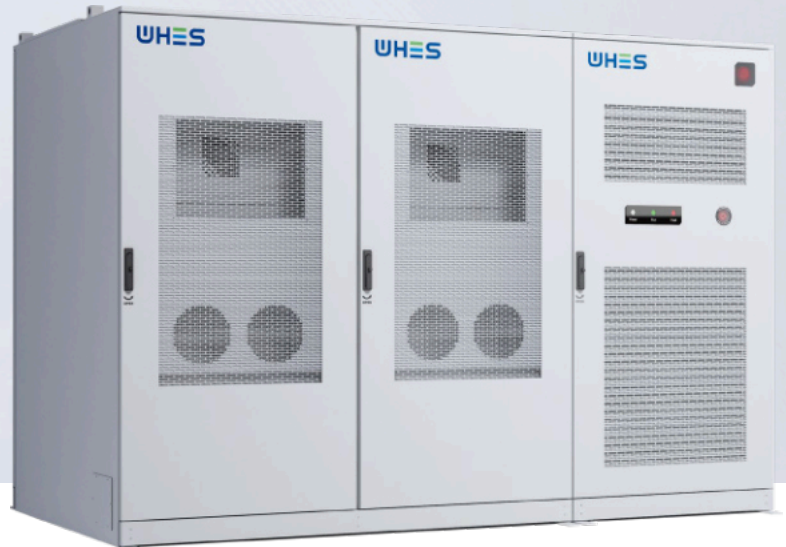
2/4/8 Hours
Flexible Solutions

< 60 dB
Low-noise Operation

CATL 306 Ah
Battery Packs for
High Energy Density

VDE 4110
Certified

Powered by
PANGUOS
From **UHS**



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.
- Low-noise operation at 60dB²
- 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.

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

² 60 db noise level tested at 3M

Applications

 Farm / Ranch  School / Shopping Mall
 Factory  Community

Contact Us

www.voltaeco.co.uk
help@voltaeco.co.uk

PowerCore

Technical Specifications

Model	IA-62.5kW/500kWh		IA-125kW/500kWh		IA-187kW/500kWh		IA-250kW/500kWh		
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 (3W+PE)							
AC Voltage Range		360...440 V							
Grid Connetion Type		Three-phase/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		C4 (C5 optional)							
Noise		60 dB							
Operating Relative Humidity		0%...100% (No condensation)							
Operating Temperature Range		-20°C...+55°C							
Cooling Method		Liquid cooling (Battery)							
Altitude		4000 m (@ derating >2000m)							
Communication		CAN, RS485							
Certification		IEC62619, IEC63056, IEC62477, EN50549-10, VDE4110, UL9540A, UN38.3							

Order Options	IA-62.5kW/500kWh	IA-125kW/500kWh	IA-187kW/500kWh	IA-250kW/500kWh
Consisting of	AC-62.5kW-ID11 DC-500kWh-EA11	AC-125kW-2D11 DC-500kWh-EA11	AC-187kW-3D11 DC-500kWh-EA11	AC-250kW-4D11 DC-500kWh-EA11

*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.