

KAIXENTEC

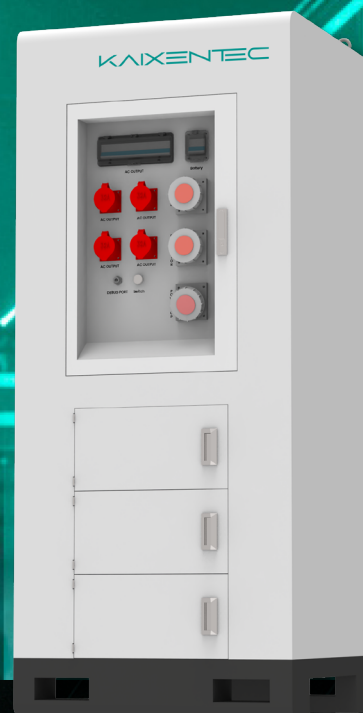
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CENTURION SERIES

AC-coupled mobile battery system with built-in solar input

40/60/80/100KWh-50KW

60/80/100KWh-50KW



Modular & Mobile Design

- Scalable capacity: 40–100 kWh.
- Compact, vertical cabinet for easy relocation.
- Ideal for mobile, off-grid, or temporary setups.

Flexible Output Options

- Dual-mode: On-grid (20 kW / 55 kW) and EPS backup.
- Three-phase compatibility with wide voltage range.
- Plug-and-play deployment.

Integrated PV Charging

- Built-in MPPT - 20KW-A: 30 kW / 50KW-A: 100 kW.
- Supports 450–850 VDC (20KW) and 600–850 VDC (50KW).
- Enables hybrid solar-powered use.

Safe & Silent Operation

- A+ LiFePO₄ batteries, 6000+ cycles.
- Multi-layer BMS protection and low noise - <40 dB (20KW), <60 dB (50KW).
- IP-rated for outdoor use.

Centurion Series Technical Parameters

Model		40/60/80/100KWh-50KW			60/80/100KWh-50KW		
Battery data							
Battery Configuration Capacity		40/60/80/100 kWh			60/80/100 kWh		
Max. Charging/Discharging Current		100 A					
Battery Voltage Range		320~700 V			240~584 V		
Battery Type		Lithium Iron Phosphate (LiFePO4)					
Cycle Life		≥6000 cycles 80%DOD, 25°C/0.5°C					
PV							
Max PV Input		30 kW			100 kW		
Mppt Input Voltage		450~850 VDC			600~850 VDC		
Max. Input Current		25A*2			40A*4		
Max. Short Circuit Current		30A*2			60A*4		
Ac Output (on Grid)							
Phases		Three Phases					
Frequency (Optional)		50 kW					
Rated Output Power		20 kW			55 kW		
Rated output Current		32 A			76 A		
Grid Voltage		3L/N/PE, 220V/380V, 230V/400V					
Power Factor Range		-0.8 ~ +0.8					
Ac Output (EPS)							
Rated Output Power		20 kW			50 kW		
Rated Output Current		30 A			76 A		
EPS Voltage		3L/N/PE, 220V/380V, 230V/400V					
General							
Number of layers		3	4	5	3	4	5
Dimensions	W (mm)	900	900	900	900	900	900
	D (mm)	850	850	850	850	850	850
	H (mm)	1805	2060	2315	2145	2400	2600
Weight (kg)		790	1000	1210	870	1080	1290
IP Rating		54					

* The actual product may differ slightly from the pictures.

* The specifications are subject to change without prior notice.