

# Electres Pro

## 125kW / 261kWh Liquid-Cooled Energy Storage System

Built for Commercial & Industrial Energy Reliability



Electres Pro is a compact, all-in-one energy storage system engineered for commercial and industrial applications. This integrated solution, combines Tier 1 LFP cells, advanced BMS, high-performance PCS, safety systems, and intelligent controls into a single deployable unit designed for reliability, efficiency, and rapid site deployment.

### System Safety

- Cell-level monitoring with early alerts
- Multi-layer protection and fire prevention

### Operations & Maintenance

- Cloud diagnostics and remote monitoring
- Predictive maintenance alerts

### Deployment

- Plug-and-play, factory-tested systems
- Modular, scalable design

### Operational Efficiency

- High round-trip efficiency and faster payback
- AI-powered EMS and thermal optimization

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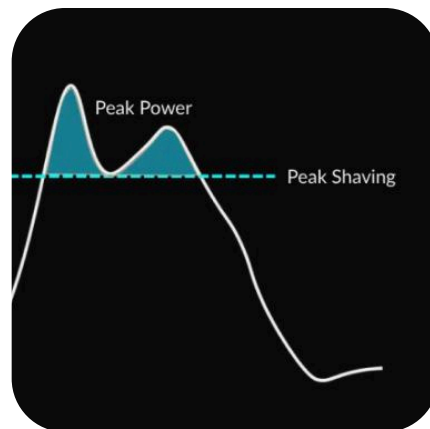
## Applications



Backup Power



Energy Arbitrage



Peak Shaving



Voltage Fluctuation



Power Factor Improvement

## AC side parameters

AC side parameters	125kW
Total current waveform distortion rate	≤3% (at rated power)
DC component of current	≤0.5% (at rated power)
Rated grid voltage	400V
Grid voltage deviation	-15%~+15%
AC overload capacity	1.1 times long-term
AC wiring method	3P+N+PE
Rated grid frequency	50Hz/60Hz ± 2.5Hz
Power factor	0.99/-1~1
AC protection	Circuit breaker + AC lightning protection

## DC side parameters

Battery capacity	261kWh
System configuration	1P52S
Battery pack configuration	1P52S / 52.25kWh
Cell type	LFP 314Ah
Battery voltage range	728~936V
Pack protection level	IP66

## System Parameters

Maximum system efficiency	88%
Battery cell cooling method	Liquid Cooling
Cycle life	≥ 8000
Remote monitoring	Cloud Platform
Noise	≤75dB @ 1m
Communication interface	Ethernet, RS485
Communication protocol	MODBUS-TCP/MODBUS-RTU
Maintenance method	Double-sided maintenance
Installation location	Outdoor
Outlet method	Down in and out
Operating temperature range	-25°C~55°C
Operating altitude	<3000m (Derating > 2000m)
Operating humidity range	5%~95% RH, no condensation
Corrosion resistance level	C4 / C5 (optional)
Protection level	Battery compartment IP55 + electrical compartment IP54
Fire protection system	Pack-level aerosol + cabin-level aerosol + water firefighting (optional)
Product dimensions (mm)	1100(W)*1320(D)*2560(H)
Equipment weight	~2700kg
Certifications	GB/T 36276, UN38.3, IEC 62619 IEC 62477, IEC 61000, UL9540A (Cell)

\*Images are indicative. Product configuration, appearance, and specifications may be updated without prior notice.

