

RESIDENTIAL STORAGE SYSTEM



SAFE & SMART RESIDENTIAL STORAGE SYSTEM

APstorage introduces its 1st generation of AC-coupled smart Energy Storage Solution (ESS) for residential.

The systems includes the ELS- 3K or 5K single-phase battery inverter solution together with APsystems low voltage batteries. Also compatible with an expanding list of LiFePO₄ battery brands*, it becomes the ideal AC-coupled storage solution for new or existing residential PV installations.

ELS-5K



ELS-3K / 5K BATTERY INVERTER

SAFETY

- ✓ Ingress protection IP65
- ✓ 48V low battery voltage input
- ✓ Intelligent charging technology, protecting battery life
- ✓ High and low voltage isolation topologies, ensuring personal safety

FLEXIBLE

- ✓ Compatible with multiple battery brands
- ✓ Support parallel connections
- ✓ AC-Coupled solution for new or existing installations
- ✓ Support Off-grid PV function

INTELLIGENT

- ✓ UPS-level switching time <10ms
- ✓ Innovative multiple energy control modes: Backup power supply, Self-consumption, Peak and valley, and Peak shaving
- ✓ 24-hour intelligent energy management system
- ✓ Intelligent operation and maintenance platform with EMA

PERFORMANCE

- ✓ Nominal power rating up to 5000VA
- ✓ Peak backup power up to 7500VA
- ✓ Max efficiency up to 96.5%

APBATTERY



APBATTERY

- ✓ Low voltage LiFePO₄ battery
- ✓ CAN communication interface
- ✓ Build-in BMS
- ✓ Support up to 8 batteries parallel connections
- ✓ IP55
- ✓ Smart APP monitoring
- ✓ Super quiet power generation, no noise pollution

* PYLON, Soluna, UZ, Dyness, Fortress, DMEGC, KSTAR low voltage battery brands are compatible, and the list is expanding. Check our website to access the most updated list.

14 YEARS OF INNOVATION, A GLOBAL IMPACT

APsystems is the world's leading provider of cross-platform MLPE solutions, offering microinverters as well as Rapid Shutdown and Storage solution for the global PV industry.

APsystems microinverters are smart, innovative and are the best-selling multi-module microinverters in

the world. Invented in Silicon Valley in 2010, APsystems encompasses 4 global business units serving customers in more than 100 countries. With millions of units sold, producing more than 4 TWh of clean, renewable energy, APsystems continues to be a leader in the growing segment of large-scale solar equipment.



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