

RESIDENTIAL STORAGE SYSTEM



APstorage

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 charger 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 residential PV applications.

With automatic energy management features based on intelligent software and integrated monitoring, system owners can choose between back-up, self-consumption and peak valley time modes to secure critical loads during power outages and maximize energy savings for their houses.

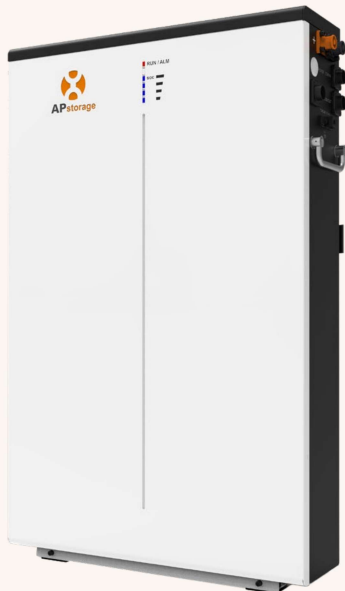
ELS-5K



ELS-3K / 5K POWER CONVERSION SYSTEMS

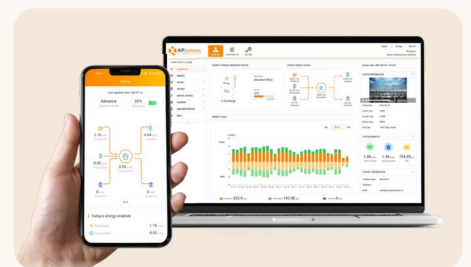
- ✓ AC coupled on-grid system
- ✓ Off-grid PV function
- ✓ Connect to multiple battery units
- ✓ Connect to low battery voltage input
- ✓ Innovative energy control modes: Backup, Self-consumption & Peak Valley

APBATTERY



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- ✓ LiFePO4 technology
- ✓ 6.5kWh capacity per unit
- ✓ 51.2V nominal voltage
- ✓ 48V-57.6V operating voltage
- ✓ IP55
- ✓ 94.5% Depth Of Discharge (DOD)
- ✓ CAN / RS485 network ports.



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

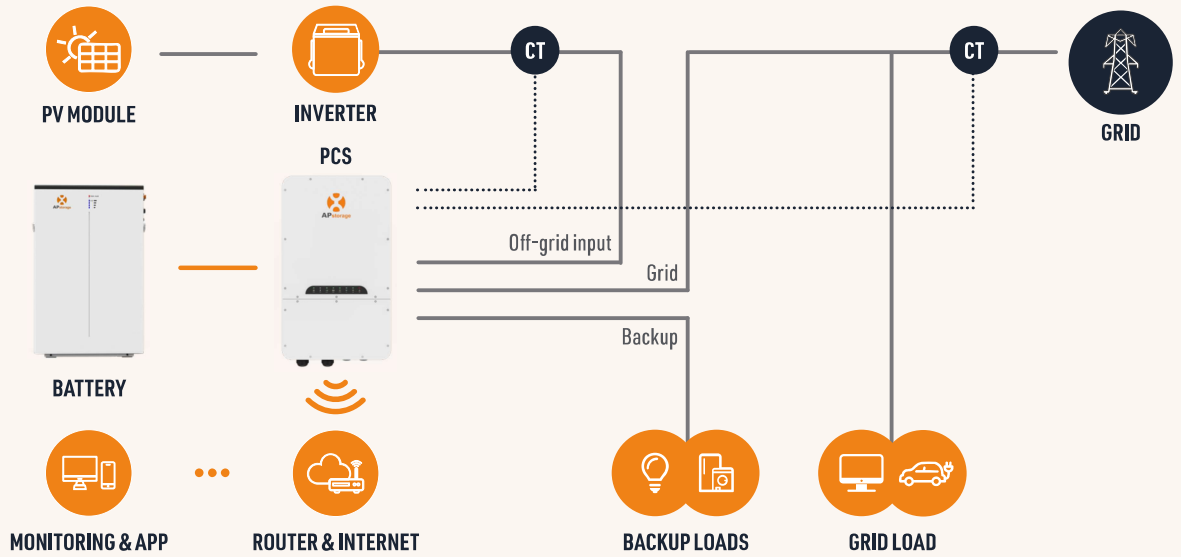
SYSTEM ARCHITECTURE

APStorage system consists of:

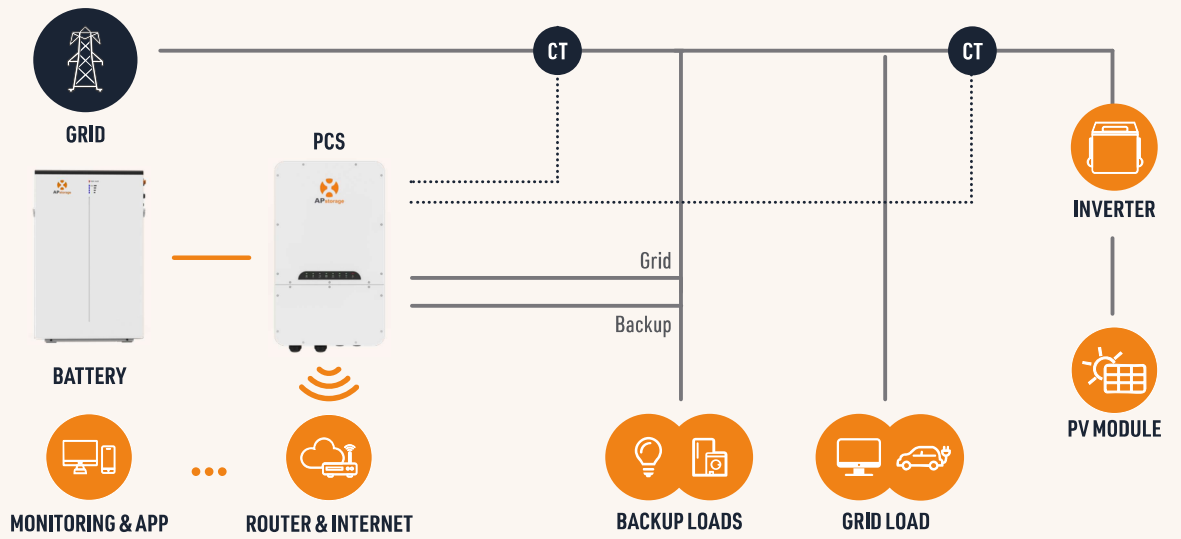
✓ A Power Conversion System (PCS) : ELS 3 / 5K for battery charge / discharge.

✓ One or multiple APbattery or a compatible Battery pack (see battery compatibility list).

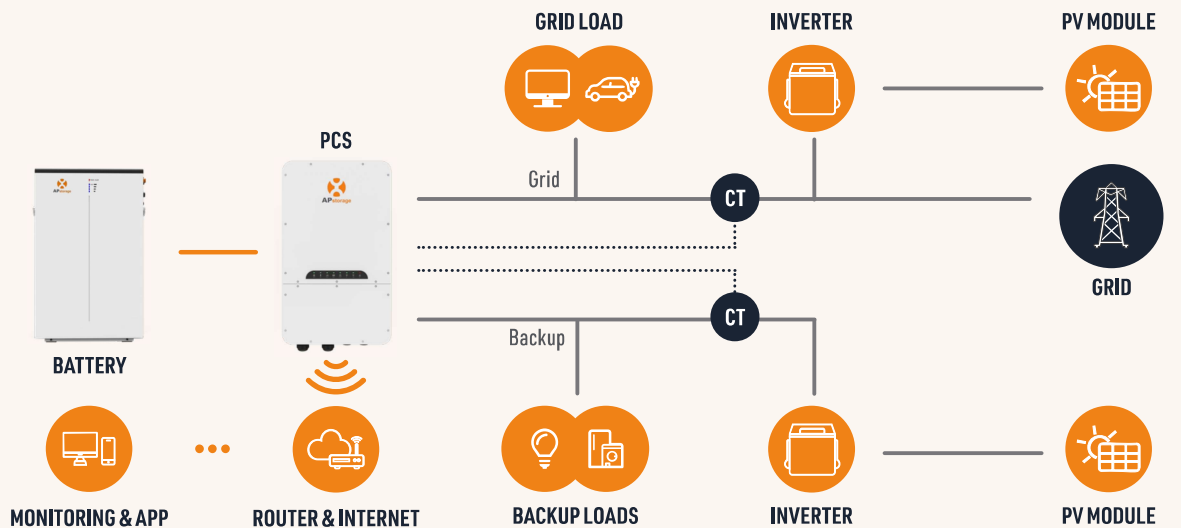
OPTION 1 PV WORKING OFF-GRID



OPTION 2 PV WORKING ON-GRID



OPTION 3 MIX OF ON-GRID & OFF-GRID



13 YEARS OF INNOVATION, A GLOBAL IMPACT

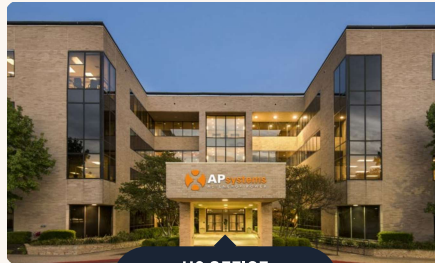
APsystems is the world's leading provider of cross-platform MLPE solutions, offering microinverters as well as Rapid Shutdown and Storage solution for the global PV industry.

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 3.5 TWh of clean, renewable energy, APsystems continues to be a leader in the growing segment of large-scale solar equipment.



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