

Store Your Solar. Use It When You Need It.

AC-coupled storage upgrade for existing UK solar homes | OEM & private label ready

ARK is an AC-coupled plug-in home battery designed for UK households that already have solar PV. It helps users store surplus solar energy, increase self-consumption, use stored power during higher-price periods and add battery capacity without replacing the existing solar inverter.

Why ARK Fits the UK Market

Existing Solar Retrofit Designed for homes that already have rooftop PV. Add storage on the AC side without changing the full solar system.	Smart Tariff Ready Suitable for time-of-use tariff scenarios where users want to store energy when electricity is lower-cost and use it later.
Self-Consumption First Store more daytime solar for evening household use instead of relying only on export income.	Expandable Capacity Start from 2.6kWh and expand step by step up to 15.6kWh as household energy needs grow.

Key Benefits for UK Homeowners

- Plug-in / AC-coupled battery concept for existing solar homes
- No replacement of the existing solar inverter required
- 2.6kWh modular battery capacity, expandable up to 15.6kWh
- Semi-solid-state battery technology for residential storage applications
- WiFi & Bluetooth communication with app-based monitoring
- IP65 protection for flexible indoor or sheltered outdoor placement
- Up to 8,000 cycles and 10-year battery warranty

Why UK Distributors Choose ARK

- A practical retrofit product for the growing UK solar-home and smart-tariff segment
- Expansion battery repeat-sales opportunity after the first system is installed
- OEM / private label support for brands, retailers and energy solution providers
- Custom branding, manuals, carton artwork and partner sales materials available
- Technical support for smart meter / EMS / zero-export integration projects
- Local warehouse cooperation possible for selected partners

Recommended For

Solar Installers	Battery Distributors	Home Energy Retailers	OEM / Private Label Brands
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Technical Highlights

Item	Specification
Battery Capacity	2.6kWh per pack
Expandable Capacity	Up to 15.6kWh
AC Input Power	2.4kW
AC Output Power	2.4kW platform capability
Grid Feed-in Output	800W market configuration where applicable
Communication	WiFi + Bluetooth
Protection Level	IP65
Cycle Life	Up to 8,000 cycles
Battery Warranty	10 years
Operating Temperature	-20°C to 55°C

UK Positioning Message

For UK partners, ARK should be positioned as a smart retrofit battery for existing rooftop solar homes, not only as a balcony-solar accessory. The strongest message is: store more of your own solar before exporting it, and use stored energy during higher-price periods.

Suggested Compliance Note for UK Materials

Final installation, connection method, export setting and tariff eligibility should be confirmed according to local UK electrical requirements, DNO / installer guidance and energy supplier conditions. Solar XDS supports partners with product specifications, technical documents and OEM materials.