



Eco-ESS

Cabinet for battery+inverter HA-UWG, HA-UAWG

Safe, PAS 63100–aligned outdoor protection for modern home energy systems.

The Eco-ESS Outdoor Inverter Cabinet HA-U is designed for homeowners who want their solar and battery systems installed safely, neatly, and in line with current UK best practice. By housing the inverter and the batteries externally B-R2 helps reduce internal fire risk while protecting valuable energy equipment from weather, impact, and unauthorized access.

Designed with PAS 63100 in Mind

PAS 63100 provides UK guidance on the safe installation of electrical energy storage systems in homes. The Eco-ESS B-R2 enclosure supports these principles by enabling external placement of inverters, improving system segregation, and supporting safer outcomes for occupants, properties, and emergency responders.

Fire & Safety Focused Design

The cabinet features a fire-conscious, insulated construction designed to slow heat transfer and contain thermal events. When installed in accordance with Eco-ESS guidance, the enclosure is designed to offer **EI90 (90-minute) fire-resistant performance**, providing valuable time in the event of a fault or fire.

Key Benefits

- Keeps high-voltage equipment outside the living space
- Supports PAS 63100 best-practice guidance
- IP55-rated protection against rain and dust
- Lockable metal enclosure with preinstalled 400V/40A AC and 600V/32A DC breakers
- Actively cooled/heated to support reliable inverter and batteries operation
- Discreet, modern appearance suitable for residential properties

Product Overview

Dimensions	700mm (W) × 390mm (D) × 1500 (+100) mm (H)
Finish	Powder-coated steel, wood grain/antracite wood grain
Environmental Rating	IP55
Ventilation	Thermostatically controlled suction and extraction fans
Cable Entry	2 × M20 and 8 × M30 glands
Mounting	Floor/wall mounting with adjustable feet

* EI90 fire-resistant performance refers to the enclosure construction when installed in accordance with Eco-ESS guidance and is subject to project-specific certification and approval.

