



Eco-ESS Outdoor Inverter Cabinet "Lite" RODFV455525-INV-R1

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

The Eco-ESS Outdoor Inverter Cabinet Lite 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 externally, the R1 helps reduce internal fire risk while protecting valuable energy equipment from weather, impact, and unauthorised 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 R1 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 for Homeowners

- Keeps high-voltage equipment outside the living space
- Supports PAS 63100 best-practice guidance
- IP55-rated protection against rain and dust
- Lockable metal enclosure for security
- Actively cooled to support reliable inverter operation
- Discreet, modern appearance suitable for residential properties
- Warranty period: 10 years (6 years for the fans)

Product Overview

Dimensions/weight	550mm (W) × 250mm (D) × 450mm (H), 11kg
Finish	Matte black powder-coated aluminium
Environmental Rating	IP55
Ventilation	Thermostatically controlled extraction fan
Cable Entry	2 × M20 and 8 × M30 glands
Mounting	Wall-mount brackets included

* 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.

