



SOLAREGE SYSTEMS

Optimised solar systems with built-in safety

SolarEdge is a smart solar inverter system that maximises the output of every panel. Unlike traditional string inverters – which treat panels as a single chain – SolarEdge uses Power Optimisers on every panel, allowing them to work independently for improved performance on shaded or mixed-orientation roofs, with panel-level monitoring. Adding a SolarEdge Home Battery increases self-consumption and enables off-peak charging – and, when paired with a Backup Interface, provides whole-home or essential-load backup. Batteries are available as a 10kWh single-phase unit or 4.6kWh stackable modules for three-phase systems, with both options featuring SafeDC™ to automatically reduce panel voltage to touch-safe levels during shutdown or an emergency.

INVERTERS

SINGLE PHASE HOME WAVE

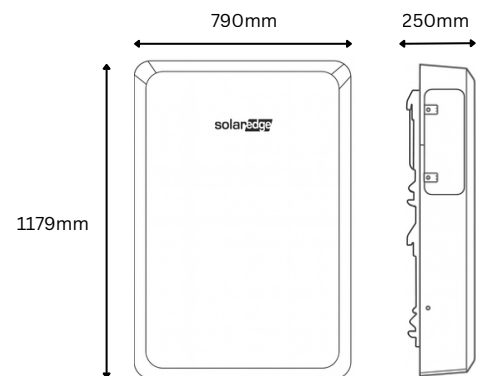
- **Options:** 2.2kW/3kW/3.5kW/3.68kW/5kW/6kW
- **Compatibility:** Up to 3 × 10kWh 400V batteries
- **Storage only:** No backup available

SINGLE PHASE HOME HUB

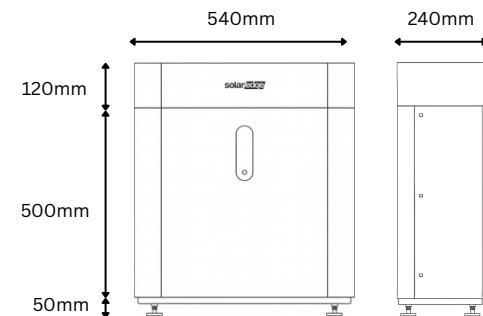
- **Options:** 3.68kW/5kW/6kW/8kW/10kW
- **Compatibility:** Up to 3 × 10kWh 400V batteries
- **Backup option:** With Home Backup Interface

THREE PHASE HOME HUB

- **Options:** 5kW/8kW/10kW
- **Compatibility:** Up to 5 × 4.6kWh 48V batteries
- **Backup option:** With Home Backup Interface



Single-phase: 10kWh Home Battery



Three-phase: 4.6kWh Home Battery



Built-in safety: SafeDC™ protection offers unrivalled peace of mind.

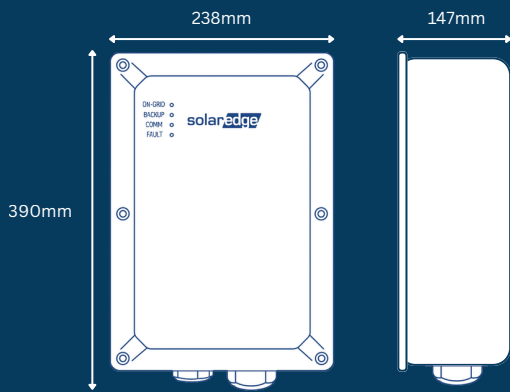


Advanced monitoring: Clear, real-time insight into battery performance and panel output.



Ideal for complex sites: Panel-level optimisation maximises output, for more consistent charging.



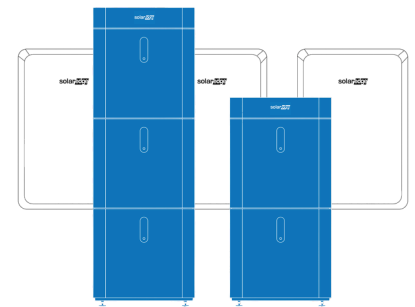


BACKUP GATEWAY

When paired with a SolarEdge Home Backup Interface, the system provides automatic switchover in under three seconds. The single-phase interface enables whole-home or essential-load backup on single-phase systems (up to 100A), while the three-phase version delivers the same capability across all three phases with flexible circuit configuration.

SCALABILITY

- **10kWh (single-phase):** Supports up to three batteries per inverter (30kWh), installed side by side (wall- or floor-mounted). Additional capacity can be added by installing multiple inverters.
- **4.6kWh (three-phase):** Modular design allows up to five vertically stacked modules per inverter (23kWh), either wall- or floor-mounted. Further expansion is possible via multiple inverters.



BATTERY FEATURE	10KWH BATTERY	4.6KWH BATTERY	WHY IT MATTERS
Usable capacity	9.7kWh	4.6kWh	Delivers dependable evening coverage, with larger setups offering extended runtimes and greater support for energy-hungry appliances.
Ingress rating	IP55	IP65	Both batteries offer solid weather protection for outdoor use, with the 4.6kWh module providing enhanced protection in more dust-prone areas.
Max. charge / discharge	Up to 5kW per battery	Up to 2.8kW / 4.1kW	10kWh batteries charge/discharge up to 5kW per unit. Stacked 4.6kWh modules charge/discharge up to 5kW per tower (limited by the inverter's rated power).
Peak discharge	7.5kW	4.1kW	Allows high-startup appliances to run without tripping the system. Stacked 4.6kWh battery modules will support up to a maximum of 5kW per tower.
Single / three-phase compatibility	Single-phase	Three-phase	The 10kWh model is ideal for standard single-phase properties, and the modular 4.6kWh version is designed to support three-phase properties.
Manufacturer's warranty	10 years	10 years	Offers long-term confidence in daily performance and battery lifespan, with coverage backed by SolarEdge.

