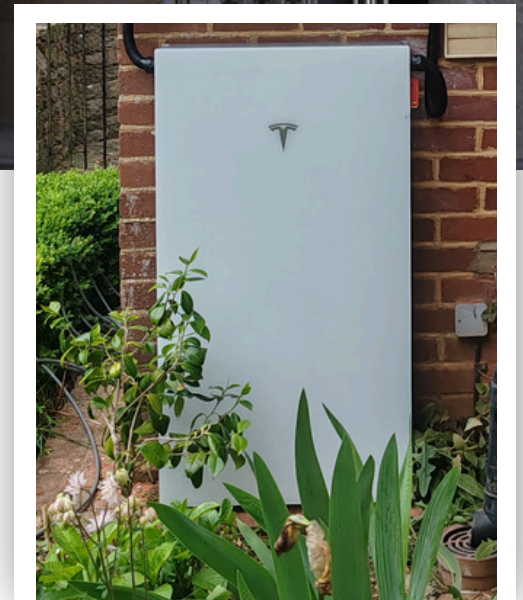


TESLA POWERWALL 3

SYSTEM OVERVIEW

TITAN ECO



TESLA POWERWALL 3

Powerful storage with built-in resilience

Powerwall 3 uses intelligent energy-management software to automatically optimise charging and discharging based on household usage patterns, electricity tariffs, real-time weather forecasts and seasonal changes (with manual control available via the third-party Net Zero app). Each battery takes up to 20kW of DC solar input, and thanks to its built-in solar inverter, it supports both DC- and AC-coupled configurations, so it integrates cleanly with existing PV systems, including those on a FIT tariff. Its sleek design, high-quality build and 13.5kWh storage capacity make it a smart, efficient option for higher-demand properties – with optional whole-home backup for anyone wanting to use battery power during grid outages.



High power output: Up to 11 kW continuous AC power, with 97.5% solar-to-home efficiency.



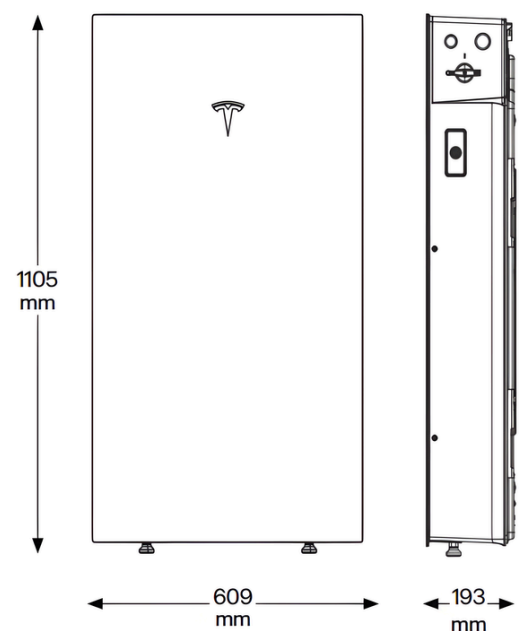
Integrated hybrid inverter: Connects directly to your solar and home supply for a cleaner install.



Flexible back-up: Choose lower-cost non-backup – or whole-home back-up, with a Tesla Gateway.



10-year product warranty: This comprehensive manufacturer's warranty provides peace of mind.



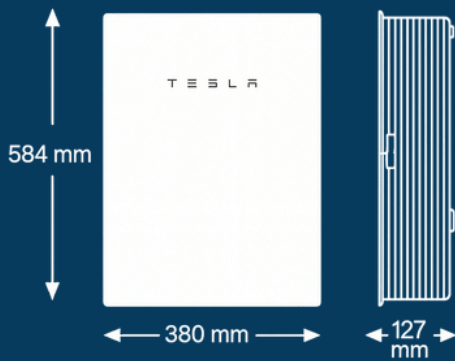
www.titaneco.co.uk



0333 444 2136



info@titaneco.co.uk

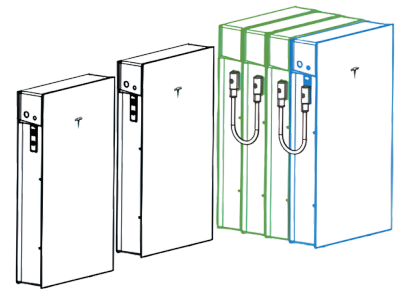


BACKUP GATEWAY

Powerwall 3 can either be installed without backup, or upgraded to whole-home backup using the Tesla Gateway, delivering a near-seamless 25–50ms switchover during an outage.*

SCALABILITY

- **PW3 units:** 11.04kW output + 13.5kWh storage with a built-in DC inverter to increase capacity – up to 4 per site. Installed side-by-side.
- **Expansion Units:** 13.5kWh battery-only units; up to 3 in total, to boost storage at a lower cost. Installed side-by-side with a cover, or stacking front-to-back behind the PW3.



FEATURE

SPECIFICATION

WHY IT MATTERS

Ingress rating	IP55 (enclosure) + IP67 (battery & power electronics)	Exceptional protection against dust and water, far higher than most alternatives. Well-suited to outdoor installations and harsher environments.
Max. continuous charge	Up to 5kW (AC / DC) per PW3 – up to 8kW with an expansion pack	Faster, more capable charging than many batteries (typically 3–4 kW). Ideal for larger PV systems and off-peak tariff charging windows.
Max. continuous discharge	Up to 11.04kW AC per PW3	High sustained output that can comfortably run multiple heavy-demand appliances, including EV chargers, heat pumps and light-commercial loads.
Peak discharge	185A load-start capability	Exceptional motor-start capability – handles inrush currents from compressors, refrigeration and machinery better than most batteries.
MPPTs	3 integrated MPPTs	Excellent solar optimisation across multiple roof orientations or shaded arrays – more flexible than systems with only one or two MPPTs.
Single / three-phase compatibility	Compatible with both single and three-phase supplies.	Provides whole-home backup for single-phase supplies via the Backup Gateway. * For three-phase supplies, backup is limited to one selected phase.

