

Smart Main Panel

The next generation of home energy management.

Welcome to the future of home energy control. Your Gateway to Aesthetically pleasing Home Upgrades and Streamlined Installations.

It is introducing Smart Main Panel—the ultimate solution for homeowners seeking effortless upgrades and installers pursuing streamlined installations. The Smart Main Panel, combined with the Tesla Powerwall 3, offers a cutting-edge solution for efficient installations and aesthetics, empowering professionals to deliver efficient, state-of-the-art service that resonates with the latest advancements in technology.

SMP is thoroughly designed with a backup switch, allowing for the installation of up to 21kW solar in one inverter and battery, all accessible through the backup switch. The Smart Main Panel is available in both the Overhead (SMP OH), Underground (SMP UG), and Overhead/Underground (OHUGAD) versions, easily managing the Smart Features with our partnership with Eaton through their app.

A COMMAND CENTER FOR THE MODERN HOME

- All-in-one unit streamlines and declutters your home electric wiring.
- Solar + battery systems integrate effortlessly
- Energy flow optimized to save you money during peak grid rate times
- Smart Routing maximizes load capacity to power more appliances on one breaker



Eliminate Installation Hassles

SMP OH

SMP 200 OH is a cornerstone in redefining home energy management, seamlessly linking diverse energy sources to the grid.

Unified Integration Hub: SMP 200 OH brings together the meter, main panel, sub panel, backup switch, and load control into a singular, powerhouse unit. This streamlined integration not only simplifies installation and maintenance but also optimizes the use of space, reducing the complexities associated with traditional setups.

Insightful Energy Monitoring: With an embedded energy monitor, SMP 200 OH goes beyond conventional panels. It not only dissects load consumption but also offers precise control down to the device level when coupled with connected switches and outlets, providing you with invaluable insights into your energy usage patterns.

Effortless Solar, Battery, and EV Charger Integration: The integrated split-bus feature of SMP 200 OH eliminates the need for a critical load box. This not only simplifies the installation of solar, battery, and EV chargers but also offers the flexibility to seamlessly accommodate both partial- and whole-home backup configurations, adapting to your evolving energy needs.

Backup Command Center: The backup controller, housing the Microgrid Interconnect Device (MID), orchestrates a seamless transition to backup power. Whether it's partial or whole-home backup, SMP 200 OH ensures an uninterrupted power supply, providing you with peace of mind during unforeseen outages.

Versatility in a Standalone Module: The backup controller isn't confined to integration; it's also available as a standalone device. This versatility allows for a tailored approach, adapting to various setups and offering customized solutions to meet your unique energy management requirements.

Advanced Load Center Compatibility: Equipped with a 200A grid isolation switch (MID) and an integrated 12-space load center, SMP 200 OH seamlessly pairs with Schneider Electric QO plug-on-neutral breakers, offering comprehensive load management for optimal performance.



SMP U.G

Unleash the power of SMP U.G, designed for high performance and optimized solar generation while offering homeowners unprecedented control:

SMP U.G seamlessly combines essential components, ensuring high performance and streamlined installation for optimized solar generation.

Insightful Energy Monitoring: Embedded energy monitoring grants homeowners precise control and valuable insights into energy usage, enabling informed decisions for optimized solar generation.

Seamless Charger Integration Below Surface: Simplifying solar, battery, and EV charger installation, SMP U.G adapts to evolving energy needs underground, maximizing solar generation capabilities.

Backup Control Excellence: SMP U.G. facilitates smooth transitions to backup power, ensuring uninterrupted supply during outages, and giving homeowners ultimate control over their energy usage.

Versatile Solutions Below Ground: The standalone backup controller offers homeowners adaptable solutions, granting them more control over their underground energy management system.

Advanced Load Center Compatibility: Equipped with a 200A grid isolation switch and integrated 12-space load center, SMP U.G. optimizes energy distribution for enhanced solar generation and overall system performance.



SMP 200 OHUGAD

Key features of SMP 200 OHUGAD, tailored for residential, ADU units.

Versatile Design: Ideal for overhead/underground connections, available in semi-flush or surface mount options.

Powerful Main Breaker: 2, 100 Amp main breakers ensures efficient control and safety for residential energy needs.

Dual Metering Capability: Supports dual metering for both residential and ADU setups, offering a comprehensive view of energy usage.

Durable Enclosure: Housed in a UL-certified NEMA 3R enclosure, providing reliability for indoor and outdoor use.

Dynamic Performance: Operates at 120/240V AC with a single-phase grid connection, offering consistent and reliable performance.

Optimized Ampacity Service: With a 200A busbar rating and 22kaic short circuit current, enables seamless ampacity service well over 200A.

Smart Metering Accuracy: ANSI Revenue Accurate AC metering ensures precise monitoring with +/- 0.5% precision.

Flexible Mounting Options: Offers versatile mounting choices - semi-flush, surface with a required doghouse - catering to diverse preferences

Smart Connectivity: Compatible with 40A Eaton smart breakers, empowering homeowners with circuit-level control and smart home automation via a user-friendly mobile app.

Advanced Load Center Compatibility: Integrated with 2-125 Amp main breaker, 100A solar load center, and 200A variable load center for optimized load management.

Environmental Resilience: Rated for indoor/outdoor use, operates in temperatures from -22 to 122 F (-30 to 50 C) with up to 100% condensing humidity.

Regulatory Compliance: Meets FCC Part 15 Class B emissions standards, NEC compliant, and UL listed (5025813) for added assurance.

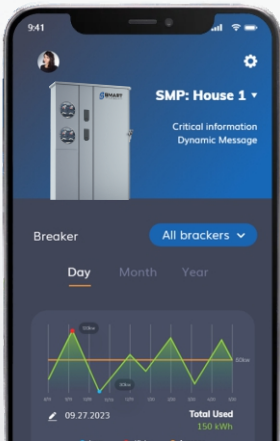


Powerwall 3 is a fully integrated solar and battery system, designed to accelerate the transition to sustainable energy. Customers can receive whole home backup, cost savings, and energy independence by producing and consuming their energy while participating in grid services. Once installed, customers can manage their system using the Tesla App to customize system behavior to meet their energy goals. Powerwall 3 achieves this by supporting up to 20 kW DC of solar and providing 11.5 kW AC of continuous power per unit. It can start heavy loads up to 150 A LRA, meaning a single unit can support the power needs of most homes. Powerwall 3 is designed for mass production, fast and efficient installations, easy system expansion, and simple connection to any electrical service.

- 1. Whole Home Backup:
- 2. Ensures seamless power supply during outages for the entire home.
- 3. Cost Savings and Independence:
- 4. Produces, consumes, and manages energy for reduced costs and self-sufficiency.
- 5. Customizable Control:
- 6. Manage system behavior through the Tesla App, aligning with your energy goals.
- 7. High Power Output:
- 8. Supports up to 20 kW DC solar input and delivers 11.5 kW AC continuous power.

- 9. Efficient Load Support:
- 10. Starts heavy loads up to 150 A LRA, catering to various home power needs.
- 11. Mass Production Efficiency:
- 12. Designed for quick installations, expansion, and seamless connection to any electrical service.
- 13. Technical Specs:
- 14. Solar Input: 20 kW max, 6 MPPTs
- 15. Battery: 13.5 kWh AC, 11.5 kW AC discharge, 5 kW AC charge
- 16. Environmental: -20C to 50 C NEMA 3R enclosure
- 17. Certifications: UL 1642, Class B. RoHS, and more.

Eaton Smart Home Solutions:



Unlock smart living with Eaton's Wi-Fi devices & Brightlayer Home App

- Efficiency: Real-time insights, cost-saving schedules.
- Setup: No hubs, simple installation.
- Control: Manage energy effortlessly.
- Security: Get alerts, and enhance home safety.

Brightlayer Home App: Smart Living Made Simple

- Remote Control: Manage from anywhere.
- Personalization: Set scenes, and schedules.
- Integration: Works with Alexa, and Google Home.
- Installation: No hubs, LED-guided, automatic updates.

Peace of Mind & Savings

- Energy Efficiency: Save money, boost security.
- How to Install: Experience simplicity with Eaton's smart devices.



Upgrade to the Smart Main Panel for streamlined Energy Management

With scalability at its core, the smart main panel adapts to your changing needs, offering a hassle-free installation process and load-control capabilities that optimize energy usage and reduce the need for service upgrades. Manage your home's energy remotely through an intuitive online dashboard and enjoy unified support from a single-source provider.

Invest in a Smarter Future – Choose Smart Main Panel!

The Smart Main Panel is your all-in-one solution for intelligent energy management. Whether you're a homeowner seeking efficiency or an installer streamlining setups, our Smart Main Panel offers unmatched benefits:

- A built-in solar load center for seamless integration with renewable energy sources.
- Built-in disconnect for enhanced safety and control.
- Manual load transfers for flexibility and reliability.
- The main meter is included for comprehensive monitoring.
- Compatibility with all Smart Breakers, ensuring a future-proof system.

Why Choose Smart Main Panel?

For Customers:

- Effortlessly monitor and manage energy usage in real time.
- Optimize electricity consumption for cost savings.
- Identify and control inefficient appliances.
- Enjoy automation features for peak-hour efficiency.

For Installers:

- Streamline installations with a comprehensive solution.
- Benefit from built-in features for safety and convenience.
- Ensure compatibility with a range of Smart Breakers.
- Simplify sourcing, operation, and support with a single vendor partner.
- Invest in a Smarter Future – Choose Smart Main Panel!