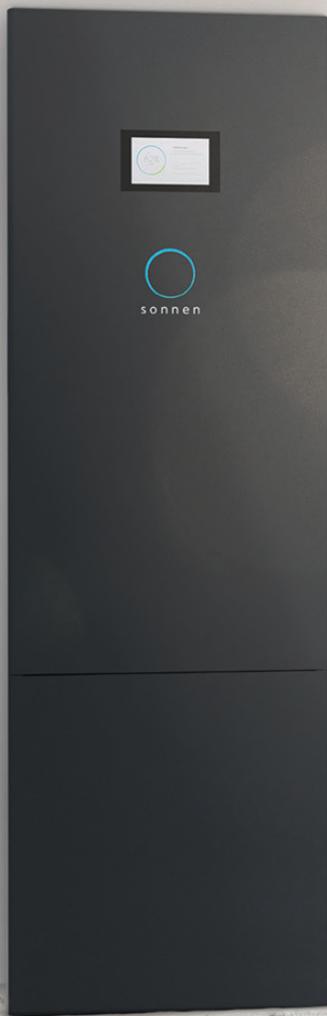




## ecoLinx

Growing Your Business with Energy Automation  
for the Ultimate Smart Home



# Introducing a Revolutionary Solution that will Take Your “Clean Tech” Offering to a Whole New Level

## Looking to expand your business with a unique solution that will give your customers the ultimate smart home?

Introducing sonnen ecoLinX – a sleek, all-in-one energy management solution that integrates intelligent energy storage with leading automation platforms and controllable circuit breakers to manage a home’s energy usage. Now, with ecoLinX, true **energy automation** is possible.

Using advanced technology, the system monitors the home’s daily solar production, energy usage and energy needs then works with the automation platform to make adjustments in the home that optimize energy usage.



- Integrates with leading automation platforms\*
- Works with new and existing solar systems
- Industry-leading standard warranty of 15 years / 15,000 cycles
- Available storage capacities include 12 - 20 kWh and 30 kWh
- 100% Depth of Discharge (DoD)
- 8kW off-grid continuous power output
- Grid Compatibility: 120/240V split phase, 60Hz
- Safest, longest-lasting, most eco-friendly residential energy management and storage solution – average lifespan 30+ years



Working with the brands you know and trust:

**ADAPT ENERGY**  
**CRESTRON**  
**CONTROL4**  
**LUMIN@**  
**RACEPOINT ENERGY**  
**SAVANT**  
**SCHNEIDER ELECTRIC**

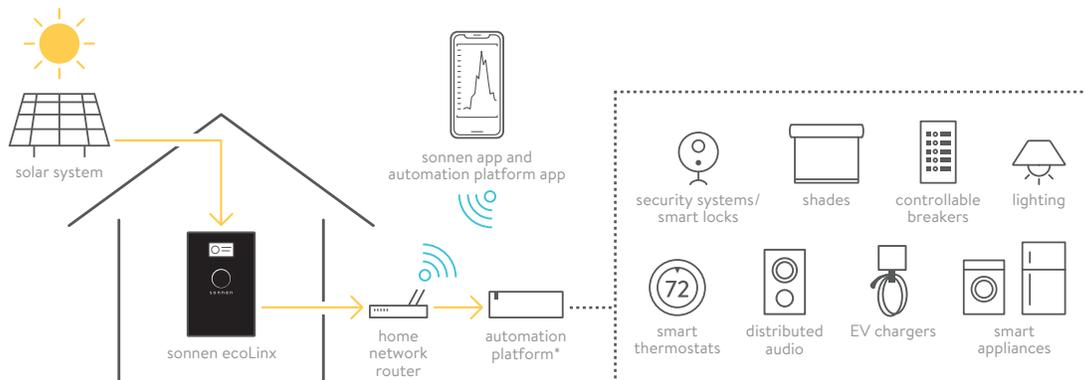
Consult your sonnen Sales Representative on integration options.

Award winning technology



And many more!

Give your customers the ultimate smart home powered by clean and renewable energy.



ecoLinX is the perfect addition to other smart home products in your home – like lighting control, automated shades, temperature control, controllable breakers, EV chargers, distributed audio and others.

\*Please consult with your sonnen Sales Representative to learn more about the various automation platform integration options and specific features/functionality with each.

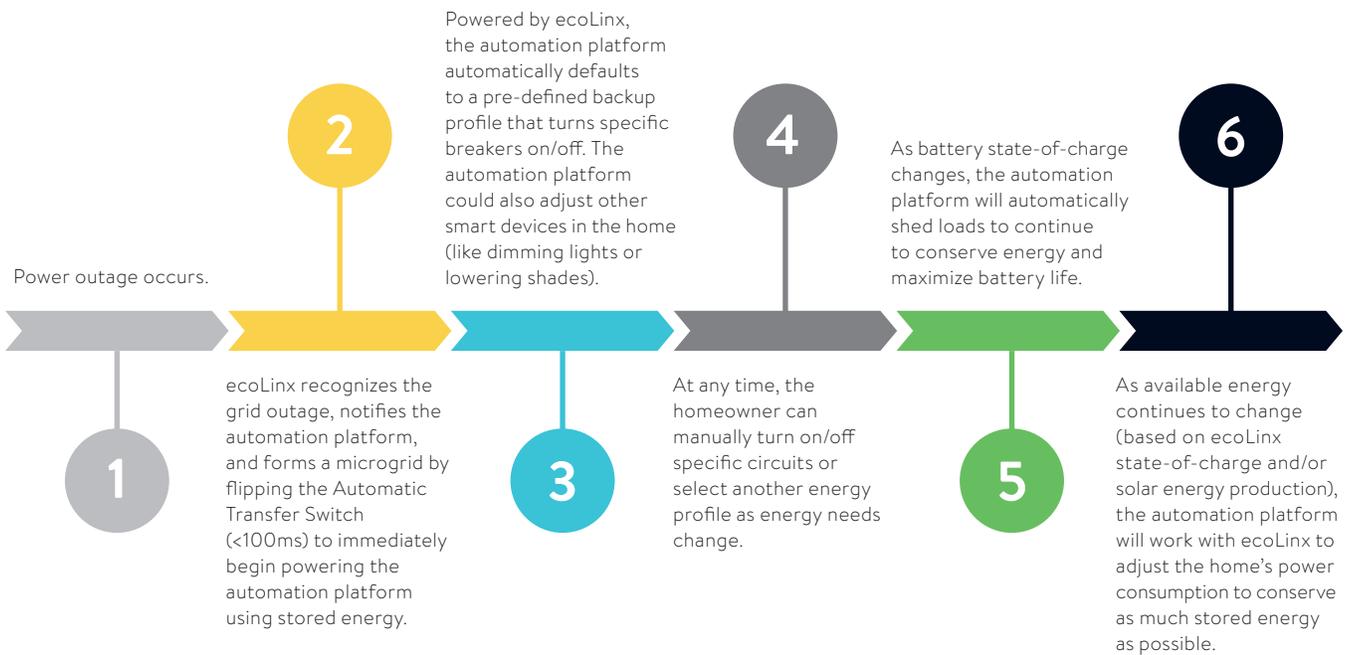
# Energy Automation – Taking the Smart Home to a Whole New Level

Give your customers ultimate peace-of-mind with a smart home solution that not only manages and maximizes their energy, but also keeps them powered and protected during power outages.



## Smart Configurable Backup

Gives homeowners the peace-of-mind knowing they will stay powered and protected in the event of a power outage. Below is an example of Smart Configurable Backup with ecoLinx and a typical automation platform (scenarios may vary depending on the platform used). Please consult your sonnen Sales Representative for more information on specific integration and system configuration options.



## Advanced Features Include:

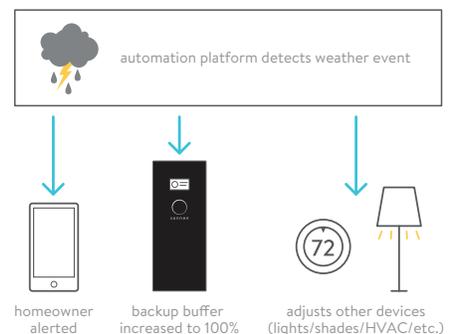


## Smart Weather Forecasting

By integrating ecoLinx with an automation platform, your customers will have ample backup power on reserve in the event of a weather-related outage. If the automation platform detects a potential weather event (watch or warning), it will not only alert the homeowner, but will also work with ecoLinx to automatically prepare the home.

### Example:

1. Automation platform detects a severe weather watch or warning.
2. Automation platform automatically increases the ecoLinx backup buffer to 100%. This will charge the battery from the most readily abundant and available source (solar, grid, etc.) and temporarily override the original backup buffer.
3. The automation platform may also prepare the home in other ways, such as dimming lights, lowering shades, and/or adjusting the HVAC to pre-cool/pre-heat the home ahead of the potential outage.



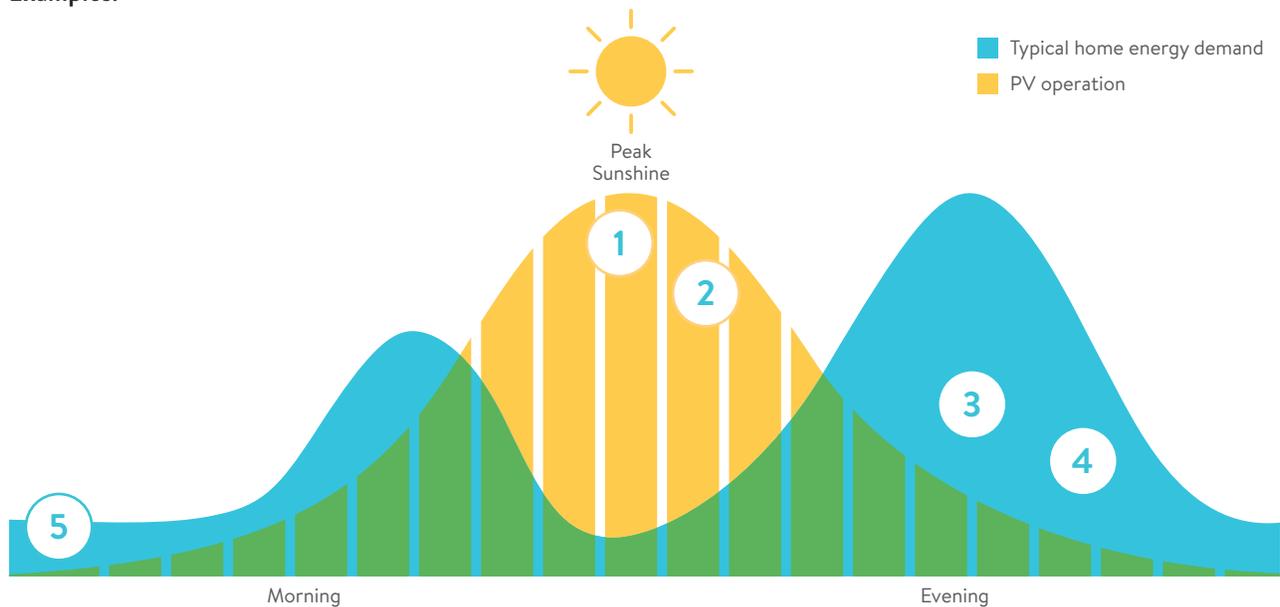


### Smart Demand Control and Load Management

By pairing ecoLinX with an automation platform, the homeowner will take their clean smart home to a whole new level. Together, the systems will manage and maximize the use of clean, stored energy to offset peak utility rates and power the home in the cleanest and most efficient way possible, without disruption to the homeowner.

By using automatic power-saving scenes, the system can minimize costs and reduce carbon footprint by using cleaner, less expensive energy generated during the day and re-deploying it during peak hours (like at night).

#### Examples:



1 Solar array production is at its highest — ecoLinX charges off of excess, abundant solar energy.

2 Automation platform makes other adjustments in the home to optimize energy usage.

Example: adjusting HVAC and lowering shades to pre-cool home using abundant solar or grid energy (rather than at night when energy is less abundant and costs are higher). As a result, less energy will be needed later to keep the home cool since it is being pre-cooled in the afternoon.

3 Solar array production ends — ecoLinX discharges clean, stored energy to power loads in the home, reducing use of the utility grid (lowers carbon footprint, offsets peak utility rates).

4 Automation platform powers down less-crucial loads (ex: jacuzzi) and makes other adjustments in home (ex: dimming lights) to increase energy efficiency and reduce grid strain during peak periods.

5 ecoLinX continues to discharge clean, stored energy to help power loads through the night/early morning until the solar array begins generating solar power (reduces carbon footprint, offsets peak utility rates).

Note: performance may vary based on overall system design, automation platform, size of the solar array, and capacity of the ecoLinX unit(s).

# Powering the Residential Community of the Future

## A Chosen and Trusted Virtual Power Plant & sonnenCommunity Solution

What is a sonnenCommunity and a sonnen Virtual Power Plant (VPP)?

A sonnenCommunity is a residential development or retrofit that includes a network of solar + sonnen batteries that can be connected using sonnen's innovative software to form a Virtual Power Plant (VPP). By partnering with sonnen, residential builders and developers gain access to a blueprint for designing sustainable, revenue-generating communities that offer lasting energy management and resiliency benefits for residents and local utilities. The sonnenCommunity with a sonnen VPP is the foundation for building a clean energy future.

Take a look at our sonnenCommunity and sonnen VPP projects across the USA.

### Wasatch Group — Utah sonnenCommunity and VPP



- 600 all-electric apartment
- 5 MW solar, 12.6 MWh energy storage
- Residential solar + backup power
- VPP operated by Rocky Mountain Power for demand response capability and reduced carbon emissions

### Mandalay Homes — Arizona sonnenCommunity



- 2,900 energy-efficient homes
- 11.6 MW solar, 23 MWh energy storage
- Residential backup power + time-of-use management
- Arizona Public Service utility — demand response using special utility rate tariff, reduced carbon emissions

### Pearl Homes — Florida sonnenCommunity



- 148 homes and 720 apartments
- LEED Plus certified
- 7.2 MW solar, 9 MWh energy storage
- Residential backup power, smart home load management with Google Home, demand response capability, climate positive/net zero emissions plus

## Making National Headlines with sonnenCommunity



*"[Soleil Lofts] is a model project that creates sustainable power, and it is profitable."*

**-Dell Loy Hansen**  
The Wasatch Group

**FAST**  
COMPANY

**greentechmedia:**

**Forbes**

 **REUTERS**

**THE WALL STREET**  
**JOURNAL.**

**The**  
**New York**  
**Times**

**Have an opportunity in mind? Contact your sonnen Sales Representative to learn more and get started with a tailored solution for your project.**

# Delivering Value to Your Customers

**sonnen does one thing, and we do it well.** We design high-quality, residential energy management and storage solutions that complement any PV system – as well as leading automation platforms – to power the ultimate smart home with clean and renewable energy.

By incorporating ecoLinX and energy automation into your offering, you will deliver substantial value to your customers with a solution that will:



Maximize use of their clean solar energy by storing excess solar for use at night, during peak periods or during a power outage.



Monitor and manage their household energy usage with the sonnen app or automation platform app.



Reduce their carbon footprint by using “locally grown” stored sunlight to power their smart home.



Increase independence from the utility grid and provide customers with greater control of their energy usage.



Keep the lights and other essential loads on – and their solar working – during a power outage.



Future-proof their home against energy uncertainty through advanced remote monitoring and software upgrades.



*“Thanks to the launch of the sonnen ecoLinX smart energy management system, we now have the ability and the product to harness and manage the power of the sun.*

*With sonnen, we can now provide a local, reliable energy solution that sustainably powers and enhances the living environment of our clients’ dream homes – and benefits the environment of the planet in which we all live.”*

**-Gordon van Zuiden, cyberManor**

# The sonnen Difference

At sonnen, we take pride in delivering a solution that not only provides the quality you expect, but also unique values and our manufacturer's high-quality guarantee that you can rely on.

## Unique Value Propositions

<p><b>1</b></p> <p><b>Global Leadership</b></p> <p>Founded in 2010 50+ global awards 50,000+ global installs</p>	<p><b>2</b></p> <p><b>Product Superiority</b></p> <p>Safest, longest-lasting batteries 15 year / 15,000 cycle warranty Up to 371 MW of lifetime energy*</p>	<p><b>3</b></p> <p><b>sonnenCommunity</b></p> <p>Innovations in resilient, clean energy residential community and Virtual Power Plant projects</p>
<p><b>4</b></p> <p><b>Commitment to Innovation</b></p> <p>Advancing energy management technology with ecoLinX and Energy Automation</p>	<p><b>5</b></p> <p><b>World-Class Partnerships</b></p> <p>Exclusive Partner Benefits Unparalleled Support High-quality Marketing</p>	<p><b>6</b></p> <p><b>Giving Back</b></p> <p>Providing energy relief to those impacted by climate disaster in partnership with the del Sol Foundation</p>

## Are you ready to take your business to the next level?

By adding energy automation and intelligent energy management and storage to your offering, you will:

- Differentiate your business with a unique solution that will expand your portfolio and customer base.
- Enhance your reputation as a technology “thought leader” with the most current, cutting-edge technology on the market.
- Revisit existing customers with a customizable, new technology that will enhance their smart home and lifestyle.
- Offer significant value, and a differentiated solution, to architects, designers, builders and developers interested in energy efficient homes and carbon-neutral living.

## Contact us for more information on how to get started with sonnen ecoLinX and energy automation today!

sonnen U.S. Corporate Headquarters

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[www.sonnenusa.com/energyautomation](http://www.sonnenusa.com/energyautomation)

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We reserve the right to update or modify any information, including but not limited to all values, outputs, technical data, images and diagrams. The information in our data sheets, brochures, advertisements and all other promotional documents are subject to ongoing changes and updates unless they are expressly identified as binding.

\*Actual warranty and MWh throughput varies based on product model and size.

Join us today to build the clean energy future of tomorrow.

