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SunPower  
SunVault®  
Storage

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# Owner's Manual



SUNPOWER®

by Legacy Solar



# Welcome to Legacy Solar.

Congratulations on the purchase of your new SunVault® Storage system!

In your home, power is everything. Keeping the lights on at night— and food fresh in the refrigerator— is more than a luxury. It represents safety, freedom and control. And with SunVault® storage, you can maintain safety and freedom inside your home, regardless of what happens outside of it, with whole home\* backup.

By storing excess energy generated by your solar panels, you can tap into this stored power during cloudy days or even during power outages. This means uninterrupted power supply for your essential appliances and devices, ensuring that your home remains a haven of comfort and security. Experience the peace of mind that comes from knowing you have a robust energy solution that not only contributes to a greener environment but also safeguards the moments that matter most in your life. Welcome to a future powered by the sun with SunVault® Storage.

This handbook can serve as a resource for you regarding your system’s upkeep and monitoring. If you would like to discuss any of this in further detail, please don’t hesitate to call the office at 309-231-3138.

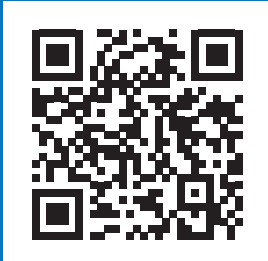
Thank you for your business and your trust,

**Luke & Angie Luginbuhl**  
Owners, Legacy Solar

*Luke Luginbuhl Angie Luginbuhl*

Scan this QR code to download our app and get quick access to:

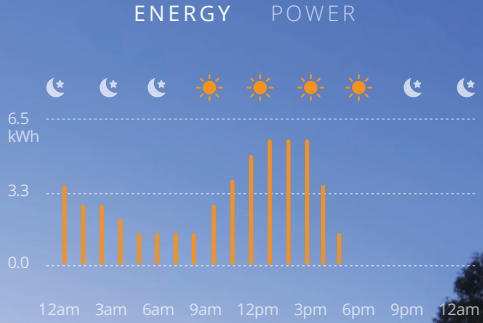
- Your monitoring portal
- A copy of this manual
- Your sales representative or our office



 [LegacySolarPower.com/app](https://LegacySolarPower.com/app)



# Power, when you need it most.



Let's face it—power outages from natural events are simply part of our world these days. But that doesn't mean your family can't stay safe.

SunVault® storage helps you power your home with clean solar energy and store the excess for a rainy day, ensuring that your family remains safe and comfortable during unexpected power outages. From rolling blackouts to lightning storms to simply spending more time at home—be the house on the block where the lights shine bright and the energy bills drop.





# Achieve True Energy Independence.

Electricity costs are rising across the country, and utility companies charge more when they know you need it most.

The good news is if you produce your own solar electricity and store it onsite with SunVault® storage, those peak-pricing surprises become a thing of the past, allowing you to make your own clean energy, store the excess for peak times and power outages, and break free from the power company grid games while also taking control of your budget<sup>1</sup>.



<sup>1</sup> The ability to provide electricity for your entire home during an outage will vary based on the amount of energy stored in the battery, wattage and duration of use of devices/appliances connected to the system, the battery's ability to recharge during daylight hours, and other factors. Storage system should not be relied upon as a power source for critical medical devices. Additional hardware installed by a third party at added cost may be required for powering your HVAC system.





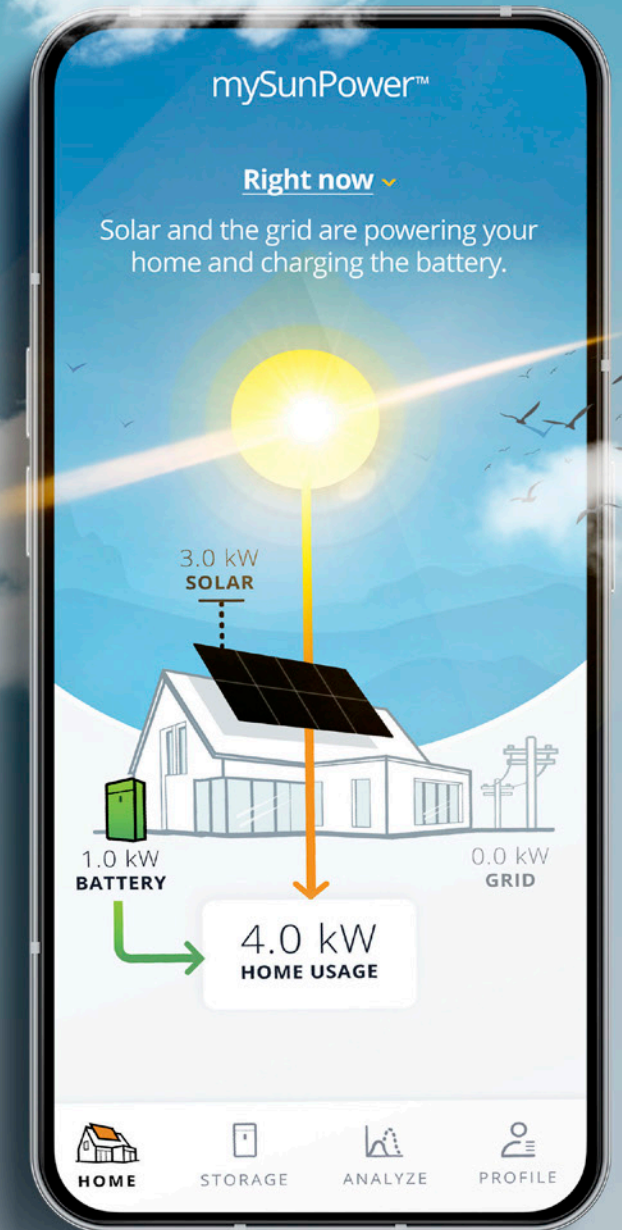
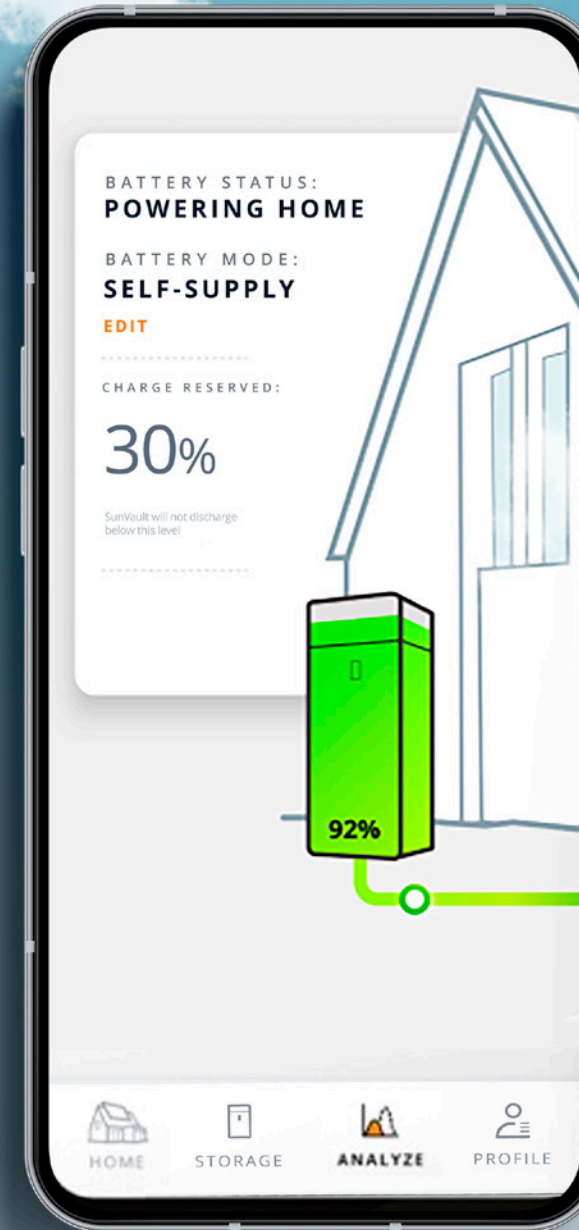
# Control Your Own Home.

It's yours, after all—shouldn't you be in control? With SunVault® storage, you set your own power preferences, monitor system operation and watch your energy savings climb with the mySunPower® app.

And behind the scenes, our advanced solar technology automatically reacts to external events, maximizing efficiency and ensuring seamless transfers from grid power to battery power and back. Ice-cold beverage anyone?

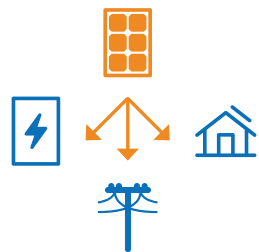
TRACK YOUR ENERGY + SAVINGS

 [LegacySolarPower.com/app](https://LegacySolarPower.com/app)



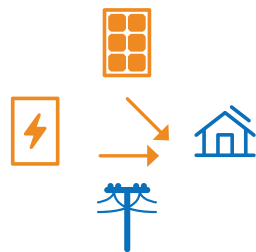
# How it Works

Our integrated SunPower Equinox® system with SunVault® storage solution works hard to maximize your solar use by collecting excess energy in the daytime and distributing it as needed to power essential devices<sup>1</sup> during an outage, thereby reducing your reliance on grid electricity and reducing peak-time charges.



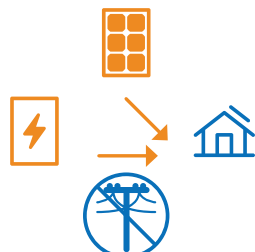
## Charge with Solar

As your SunPower Equinox® system produces energy, it sends what you're not using to SunVault® storage and/or sells it back to the grid.



## Decrease Grid Energy Use at Peak Time Rates

Software monitors your solar, home energy use and utility rates to determine which power source to use—maximizing use of solar and helping to reduce peak-time charges.



## Whole Home Backup

When the power goes out, SunPower SunVault® storage provides seamless backup to power your essential appliances or your entire home.<sup>1</sup>

# Technical Specs

- Continuous Power: 6.8 kW / 13.6 kW
- Rated Energy Capacity: 19.5 kWh / 39 kWh
- Energy Storage System dimensions (in.) W/H/D: 28 x 64.5 x 14
- Hub+™ dimensions (in.) W/H/D: 17 x 46 x 6 (wall mount)
- Seamless transition to backup and back to the grid
- Connectivity: Ethernet, WiFi and cellular
- 10-year warranty
- Rated for indoor and outdoor use



# The Sunvault® Battery

Power more of your home in an outage with superior battery chemistry.



### Energy Capacity

Run your appliances at the same time during an outage. Our battery with SunVault® storage can handle power surges from large appliances with ease<sup>1</sup>.



### More Charge Cycles

SunPower guarantees unlimited energy throughput<sup>2</sup> and unlimited cycle count as well as more battery life than other storage systems.



### More Reliable

Our unique battery system is designed to provide greater reliability and stability across a wide range of weather conditions. Using Lithium Iron Phosphate (LFP) chemistry, it's one of safest battery technologies on the market.

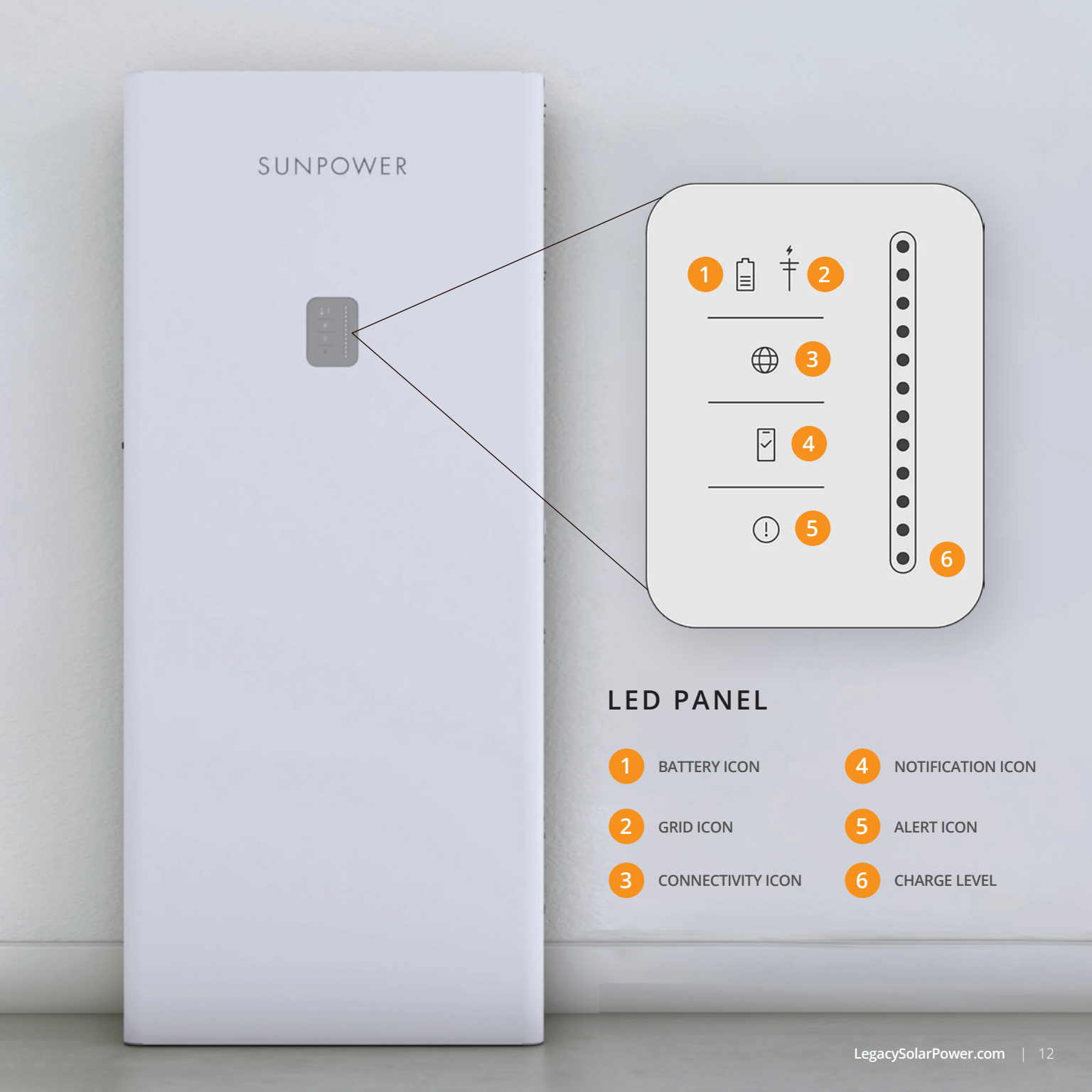


### Elegant, Simple Design

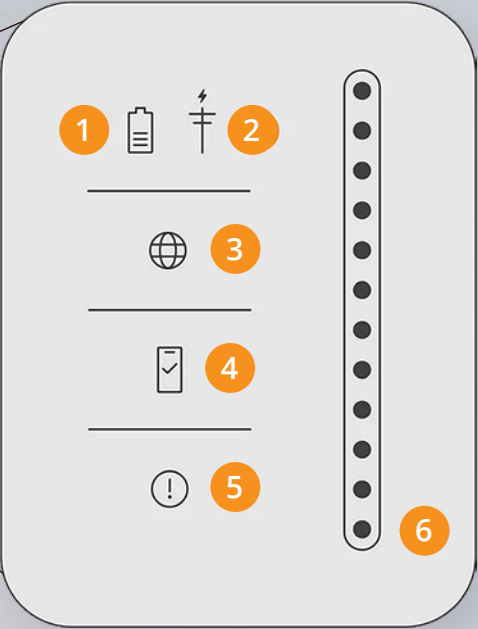
Gain more energy storage with minimalist style. Less components, even with multiple batteries.

<sup>1</sup> The ability to provide electricity during an outage will vary based on the amount of energy stored in the battery, wattage and duration of use of devices/appliances connected to the system, the battery's ability to recharge during daylight hours, and other factors. Additional hardware installed by a third party at added cost may be required for powering your HVAC system. Storage system should not be relied upon as a single source of power for critical medical devices.

<sup>2</sup> Unlimited energy throughput is only warranted when SunVault storage is paired with SunPower Equinox System.



SUNPOWER



### LED PANEL

- |                     |                     |
|---------------------|---------------------|
| 1 BATTERY ICON      | 4 NOTIFICATION ICON |
| 2 GRID ICON         | 5 ALERT ICON        |
| 3 CONNECTIVITY ICON | 6 CHARGE LEVEL      |



# Hub+™ Backup Control System

Meet the brains  
behind this storage  
operation.



## Seamless Transitions

Hub+™ automatically detects utility disruptions, so you can switch seamlessly to backup battery power without lifting a finger.



## In-depth Monitoring App

Customize your settings and view real-time information on solar, storage and home energy use<sup>1</sup>



## Custom Backup Essentials

Choose the appliances connected to backup power and customize your energy use—and comfort—in the event of an outage.<sup>2</sup>



## Clean, Minimalist Aesthetic

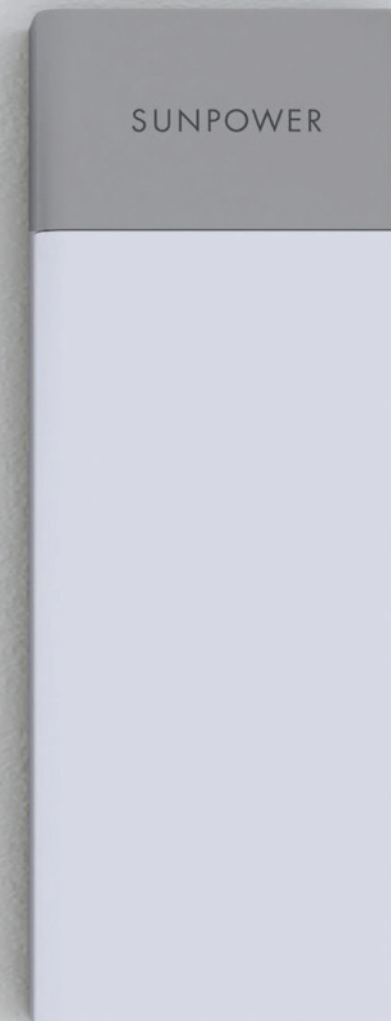
Streamlined design keeps all the electrical wires in the Hub+™, reducing the need for additional electrical boxes and equipment.



## Reduces Need for Main Panel Upgrades

The Hub+™ is rated as a main service panel up to 200 amps, and in many cases the existing panel can be migrated into the Hub+.

<sup>1</sup> Additional equipment may be required. Check with your installer to see if your home is eligible for electricity usage monitoring. <sup>2</sup> The ability to provide electricity during an outage will vary based on the amount of energy stored in the battery, wattage and duration of use of devices/appliances connected to the system, the battery's ability to recharge during daylight hours, and other factors. Additional hardware installed by a third party at added cost may be required for powering your HVAC system. Storage system should not be relied upon as a single source of power for critical medical devices.



## WHAT'S INSIDE?

Contains backed-up circuits and controls your solar + storage system for optimal performance and seamless transitions from utility power to battery power.





# Frequently Asked Questions

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## How do I reset my system?

Your system is designed to update automatically, so you shouldn't need to reset the system yourself. If a manual restart is ever required, turn off all appliances and reset your system using the mySunPower™ app.

## Can my battery charge from the grid?

Your system is designed to charge solely from solar energy to maximize tax benefits. When you're in Self-Supply mode or Cost Savings mode (you can change these settings in the app), SunVault™ Storage will automatically charge at the best time based on your local energy rates, whenever excess solar is available.

## How long does it take to charge my battery?

This depends on the size of your solar system and the amount of solar energy available, which varies by weather and time of day. Typically, larger solar systems charge faster. If you have a smaller solar system, and want to preserve power for an unexpected outage, you can select a higher reserve energy threshold in the mySunPower™ app to ensure more battery power is available.

# Care & Maintenance

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Your SunVault™ Storage System requires very little regular maintenance. But here are a few simple ways to keep it in optimal condition:

- Keep the ambient temperature around your system within the range of 15° F to 113° F. Extreme temperatures will limit system operation.
- Avoid physical damage to all system components.
- Keep liquids away from all components.
- Keep the area around system components clear of debris and other items to allow ventilation.
- Do not paint the enclosure of your Hub+™ or SunVault™ Battery.



# At Your Service

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If you have any questions or need service, please do not hesitate to contact us. SunPower by Legacy Solar is committed to ensuring that your system provides superior performance, year after year.

**Questions?**

Email us at [office@legacysolarpower.com](mailto:office@legacysolarpower.com)

Call us at 309-231-3138

**Office Hours and Contact Information**

Monday through Friday, 8am-4pm

Closed Saturdays and Sundays

Office Phone: 309-231-3138

**Legacy Solar App Tech Support:** Call 800-786-7693 with any issues.

**Sunpower Corporate Customer Support**

1-800-SunPower



# Power you can count on for generations.

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We are the leading solar provider in Illinois. Our highly-trained team is dedicated to providing an efficient and reliable solar system to each of our customers.

## SUNPOWER®

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by Legacy Solar

[LegacySolarPower.com](https://LegacySolarPower.com)