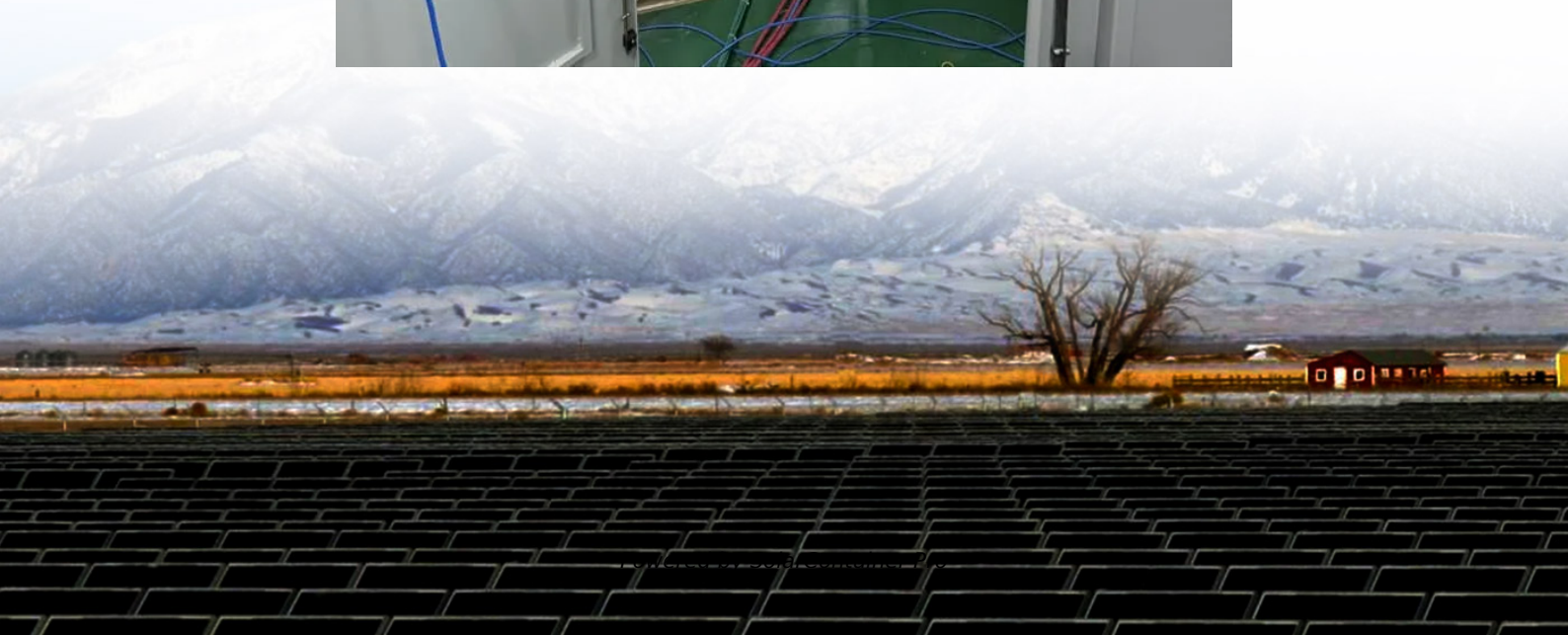


# Home energy storage and point charging





## Overview

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What makes PointGuard energy unique?

Through the comprehensive integration of solar, energy storage, and advanced EV charging technologies, PointGuard Energy is constantly pushing the boundaries of innovation to set new industry standards. With deep expertise in AI, we offer the next-level, intelligent home energy experience.

What is home energy storage?

Home energy storage refers to residential energy storage devices that store electrical energy locally for later consumption. Usually, electricity is stored in lithium-ion rechargeable batteries, controlled by intelligent software to handle charging and discharging cycles. Companies are also developing smaller flow battery technology for home use.

How does point guard charge up work?

Its bidirectional charging feature turns your energy system into a two-way street, letting you power your home from your EV or even feed energy back to the grid. And with Point Guard Load Up, your critical devices—think refrigerators and medical equipment—stay powered during outages, offering unmatched reliability.

What can a home energy storage system do for You?

The home energy storage can also serve as a backup battery in the events of power outage to keep essential lighting, heating, computing and home medical equipment running without disruption. Small wind turbines are less common but still available for home use as a complement or alternative to solar panels.

How many kWh can a PointGuard Home Store?

The modular architecture supports up to 390 kWh of storage capacity through stackable 5 or 8 kWh battery packs, while integrated AI tools help maximize



performance, extend battery life, and support grid service participation. Built with NEMA 4X enclosures, PointGuard Home is ready for indoor or outdoor installs — no matter the terrain or climate.

What is PointGuard home?

PointGuard Home is an advanced all-in-one residential energy management system that unifies the solar inverter, EMS, battery modules, and optional EV DC charger into one seamless solution.



## Home energy storage and point charging

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Want to know how to charge a Tesla efficiently and save money on charging costs? In this ultimate Tesla Charging 101 guide, we cover everything you need to know about ...

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### [Best Solar Battery Backup Systems For Homes In 2025](#)

A home solar battery should be tailored to your specific energy needs, which means that energy storage systems that can be customized with regard to battery capacity, power output, solar ...

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