

HOME ENERGY STORAGE



Solar Made Simple.



kumukit[™]
Powerblocks

■ Powerblocks™ Home Energy Storage

A breakthrough in distributed energy resource management—our Powerblocks™ PV storage system enhances a PV system's abilities and allows you to store your own PV energy. The modular design allows for easy upgrade and incremental expansion. The automatic emergency backup power feature provides for critical loads during a grid outage. Powerblocks™ can also buffer, smooth out and stabilize the energy you want transferred back to the grid.

System visibility is achieved through secure cloud-based tools with an intuitive Energy Dashboard interface that makes it easy to manage select home loads with detailed visibility and historical reporting capability. You can shift time-of-use costs to your best advantage, see where energy is being consumed, identify electricity hogs, set electricity reduction and savings goals, and monitor your progress.

Adaptability and responsiveness to the grid are accomplished with our Smart Energy Management Controller. Compatible with any PV technology—old or new, micro or string inverters, including management of compliant smart PV systems. It can adapt to future utility requirements, address changing home and grid conditions, maximize production and optimize overall energy efficiency.

full power ahead



■ **So much more than just batteries.**

The innovative Powerblocks™ PV storage system connects to new and existing PV systems, and works together with your solar panels and household electrical devices to create a complete home energy management system.

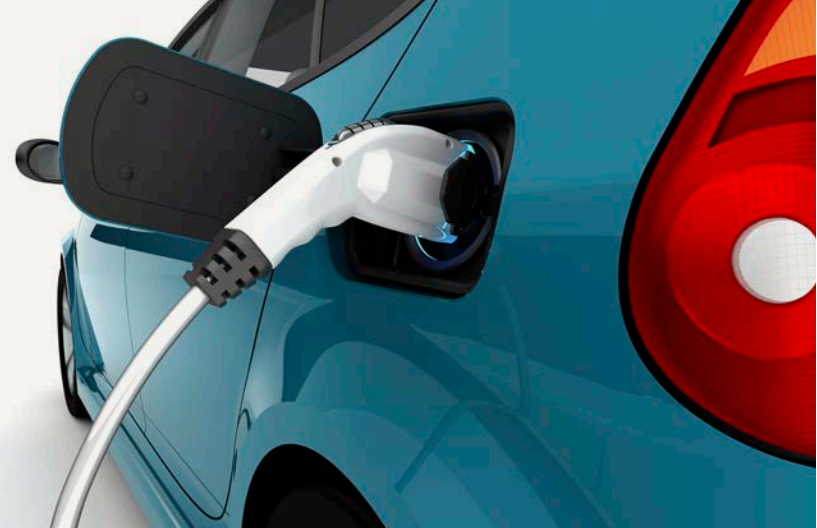


■ **Keep the Power Flowing. Keep your Family Going.**

Power outages from tropical storms and grid failure are inevitable. With Powerblocks™, you won't have to suffer through them again. Powerblocks™ operates silently in the background, providing immediate backup power to lighting, medical equipment, refrigerators, phone chargers, or other critical items that are important to your family in times of emergency.

keep calm

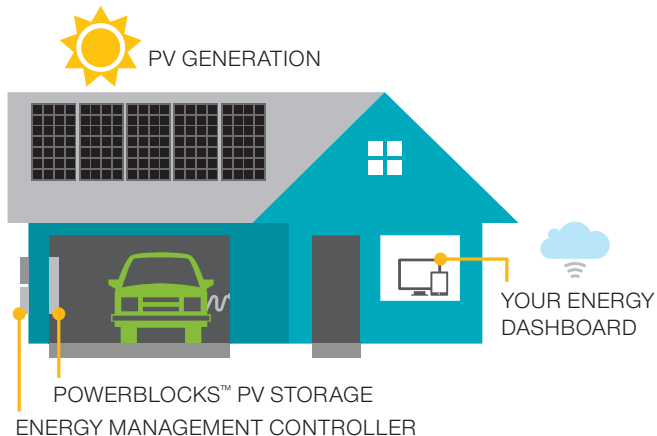




get charged up

■ Use your PV to power your EV.

A “micro-grid” system uses PV generation in combination with a Powerblocks™ storage system, to power electrical devices that are not connected to the grid. An electric car, for example, can utilize the energy generated by a dedicated PV system, without ever requiring energy from the grid. A micro-grid is quite literally a self-contained, personal power generation plant! Right-sizing both the PV system size and the battery storage capacity is key.



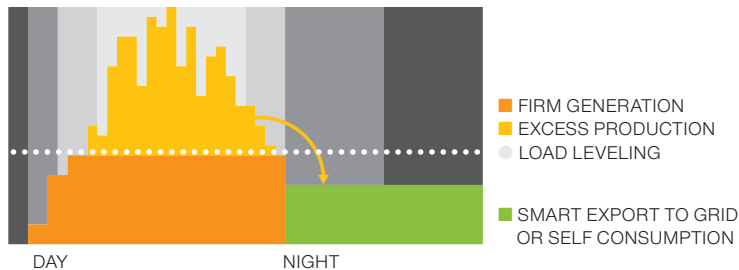


power shift

■ Save the Day. Power the Night.

Generate and store power during the day when sunshine is abundant, and then get it back during the evening and night when you need it the most. Energy generated by your PV system is *your* energy. Powerblocks™ maximizes the usage of that energy in your home, and minimizes the amount of that energy that is given up to the utility. When sized optimally to your PV system, Powerblocks™ can actually eliminate the loss of your energy altogether.

SMOOTHING PV ENERGY



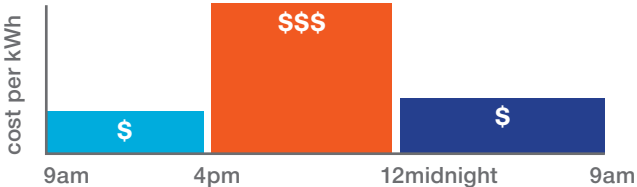


be empowered

■ **Powerblocks™ prepares YOU for TOU.**

Time-of-use pricing, or TOU, is an opt-in pricing program from the Utilities, and is coming to Hawaii soon. The program is designed to financially reward homeowners when they use energy during times of the day that help keep the grid in balance. In Hawaii, the power generation plants are forced to start burning fossil fuels to meet the energy demand, as we return home from work in the evening and start consuming energy to cook, use hot water, watch television, etc. This makes the evening hours the most expensive time to generate power. Powerblocks™ can store excess solar generation during “off-peak” times of the day, when utility pricing is less expensive, and then offset the more expensive “on peak” power later in the evening. It’s a win-win for all.

TIME OF USE RATES



Your Power. Your Way.

Take charge of the solar power you generate. Make your home a powerhouse with a PV system and Powerblocks.™ A Powerblocks™ storage system is right-sized to your family's needs and, when purchased alongside a PV system, is eligible for the same great tax incentives as PV itself. Our financing options make it easy to own. Ask for our no-pressure, no-obligation written quote. Get connected. Join the clean-energy KumuHui.

kumukit.com 808-524-7336



Powerblocks

Moving Hawaii to 100% renewables—
one block at a time.



HAWAII ENERGY CONNECTION™
sustainable energy solutions

LOCALLY OWNED. NATIONALLY RECOGNIZED

Hawaii Energy Connection LLC
99-1350 Koaha Place
Aiea HI 96701

KumuKit™ Powerblocks

Use Solar Electricity at Night	YES
Emergency Backup	YES
Go Net Zero	YES
Advanced Lithium ion	YES
10-Year Warranty	YES
DC-AC Inverter Included	YES
Installation Included	YES
Works with New <i>and</i> Existing Solar Installations	YES
Approved by HECO	YES
Available Today	YES

Contractor #C31046