



# Site Planning

Planning for battery energy storage on your home.

**Solar Made Simple.**

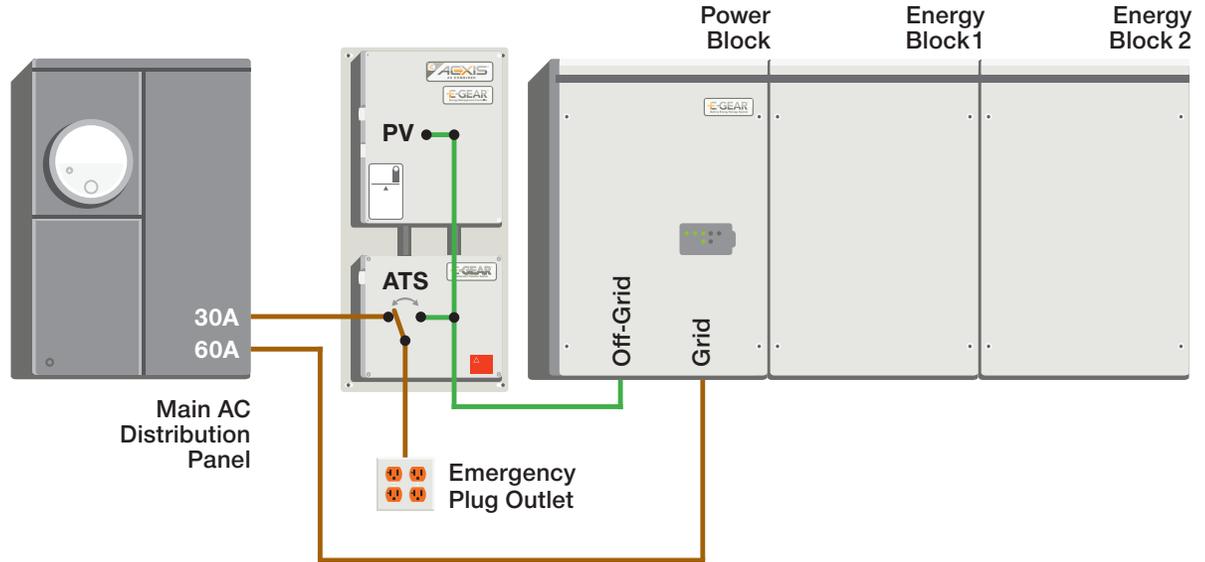
## **Finding a suitable location for battery energy storage on your home.**

Planning for a home renewable energy storage system is a process that includes a review of your existing electrical system, looking at local codes and requirements, and finding a suitable space to locate the equipment enclosures. Knowledge of how we determine a suitable location will help you understand any limitations and maintain reasonable expectations when our crews perform the actual site inspection.



# Location. Location. Location.

The PowerBlocks™ enclosures need to be located as close to your utility meter as possible. This is the location that power is connected and distributed throughout your home.



# Outdoor Rated

The PowerBlocks enclosures are UL listed and NEMA 3R approved for outside installation.



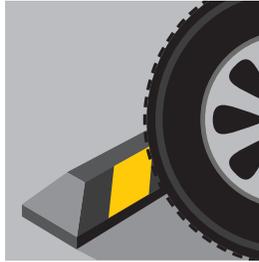
**NOTE: PowerBlocks™ enclosures cannot be installed in direct sunlight.**



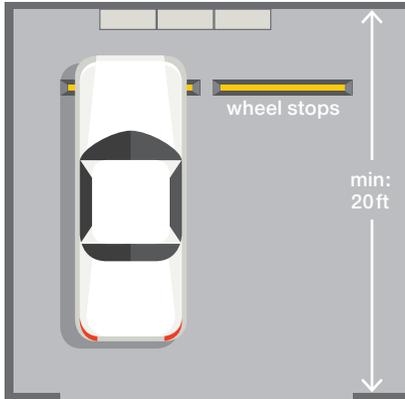
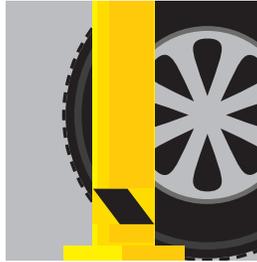
AIR VENT



WHEEL STOPS



SIDE BOLLARD



Mounted on front wall of enclosed garage



Mounted on side wall of enclosed garage

# Indoor Approved (Carport/Garage)

Additional code requirements may be necessary when siting energy storage within an enclosed garage or carport. Here are a few items that need to be considered if the energy storage system is to be located within an enclosed portion of the home.



# What is the Difference between Single Wall and Double Wall Construction?

Until the 1970's, single wall home construction dominated Hawaii's landscape. Unless you are already familiar with this unique architecture style, you may not be aware that there are significant differences between single wall homes and double wall homes. Single wall homes are constructed of exterior walls that are typically built of redwood tongue and groove planks. These redwood planks are butted up edge to edge vertically in order to construct the exterior walls. Once constructed, these exterior walls become both the exterior and interior surfaces of the home.

Unfortunately, due to the nature of single wall construction, they are not able to support the weight of the battery storage systems without additional structural support.

Many homes in Hawaii are newer construction homes and are built like homes you would find on the mainland. Newer construction homes are double wall homes. Double wall homes are constructed with mainstream construction techniques including support joists every 16 inches along the wall. This type of construction is capable of supporting the battery energy storage system. Further support structure may be necessary based on the condition and actual construction of the wall.

Cement or cinder-block (hollow tile) walls are also ideal locations. This type of construction is capable of supporting the battery energy storage system. Further support structure may be necessary based on the condition and actual construction of the wall.



Single Wall Construction



Double Wall Construction

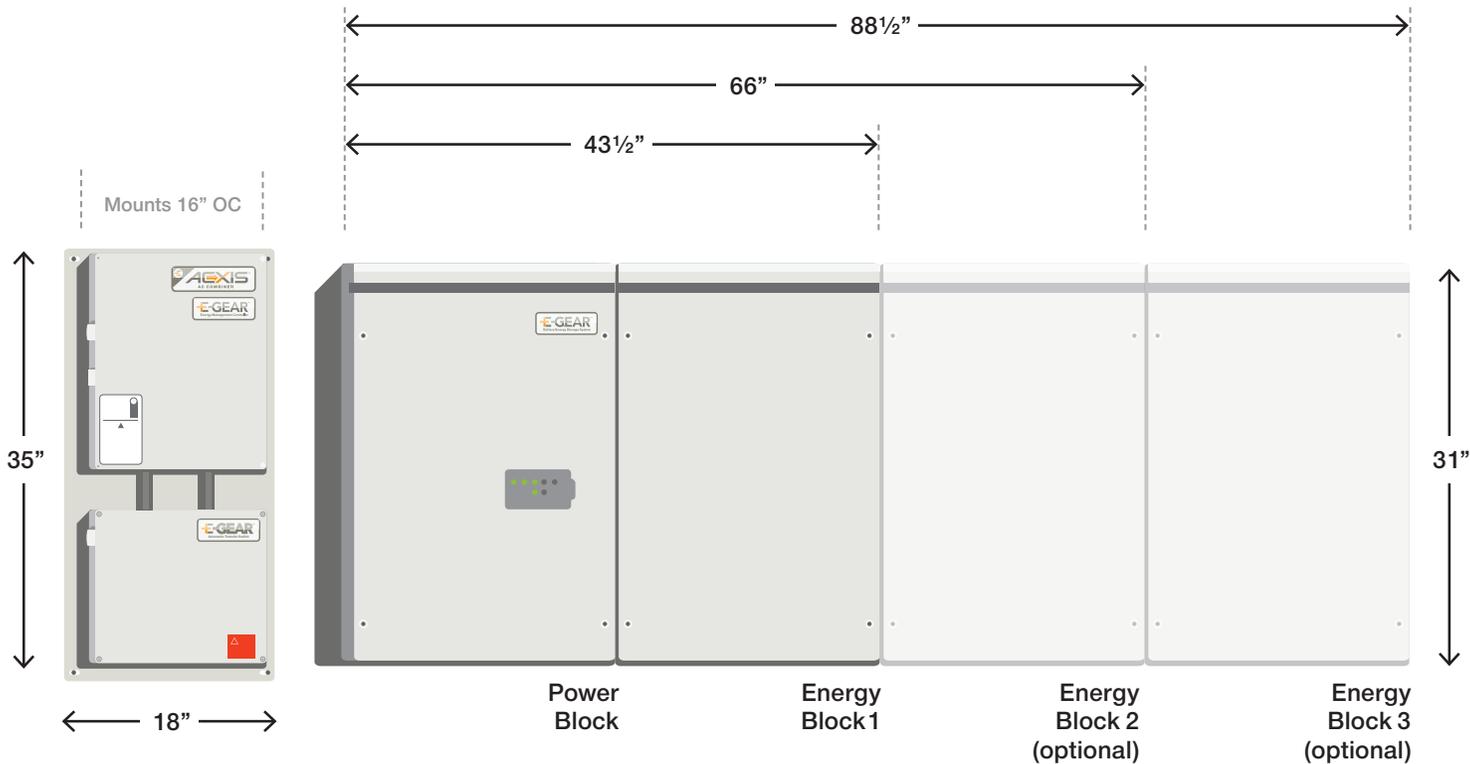


Standard 16" Stud Placement



Cinder-Block Wall Construction

## Wall Mounting



## System Dimensions

# kumukit™

## Solar Electricity

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