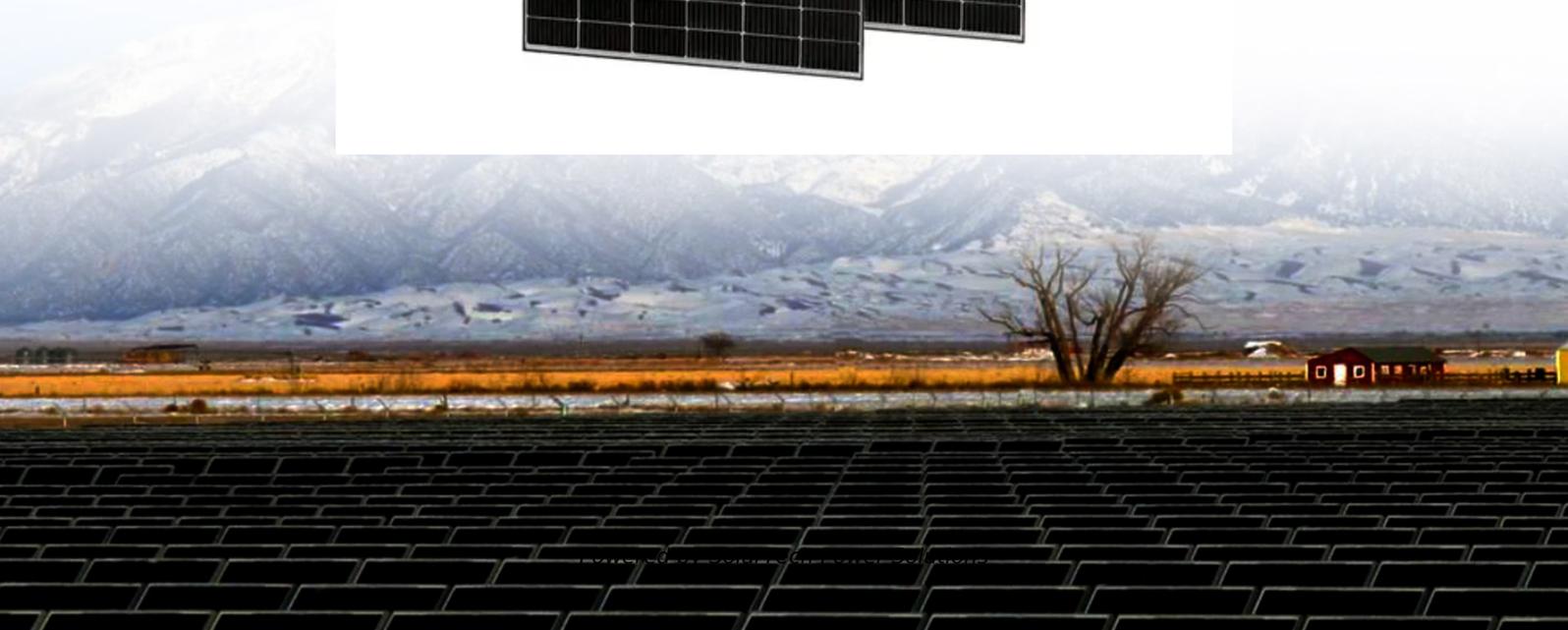
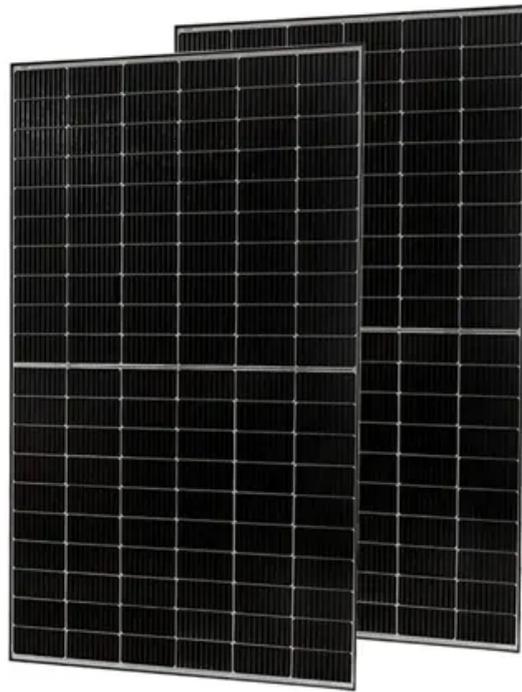


## SolarTech Power Solutions

# Home communication base station inverter grid-connected battery



## Overview

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How does a battery backup inverter work?

When the sun is out, your batteries are charged by your grid-tie battery backup inverter before feeding the excess energy back into the utility grid. If the power goes out, the power loads you specify are switched from the utility grid to your batteries, allowing them to continue operating.

What is a HomeGrid battery system?

Whether you're looking for a lot of storage capacity or just a little, chances are there's a HomeGrid battery system that fits your needs. Unlike battery systems with fixed capacities, like the Tesla Powerwall 3, HomeGrid's modular design allows you to customize your storage capacity.

What is a grid tie battery backup inverter?

Using higher voltage batteries means less current has to be 'stopped up' household level voltage – typically 110V to 120 V Alternating Current. On and Off Grid Inverters usually have data ports to allow monitoring of operation. Residential Grid-Tie Battery Backup Inverters provide grid tie in features but also manage and control backup local power.

What is a residential hybrid inverter?

A residential hybrid inverter, also known as a multi-mode inverter, is an advanced type of inverter that can manage power input from both a solar power system and a battery storage system, and also connect to the grid.

What is a base battery system?

The Base battery system is built for performance and reliability. It combines a high-capacity lithium iron battery with intelligent software to optimize energy use. The Base battery system has three main components: the battery pack, inverter, and hub. The long white unit is the battery pack. We mount the battery pack on the ground.

What are on and off grid inverters?

On and Off Grid Inverters usually include some form of battery charging and battery management circuitry. Batteries have specific charging profiles. Depending on battery state of charge, and their temperature, batteries have optimal charging rates and if not properly controlled they can have their life shortened.

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