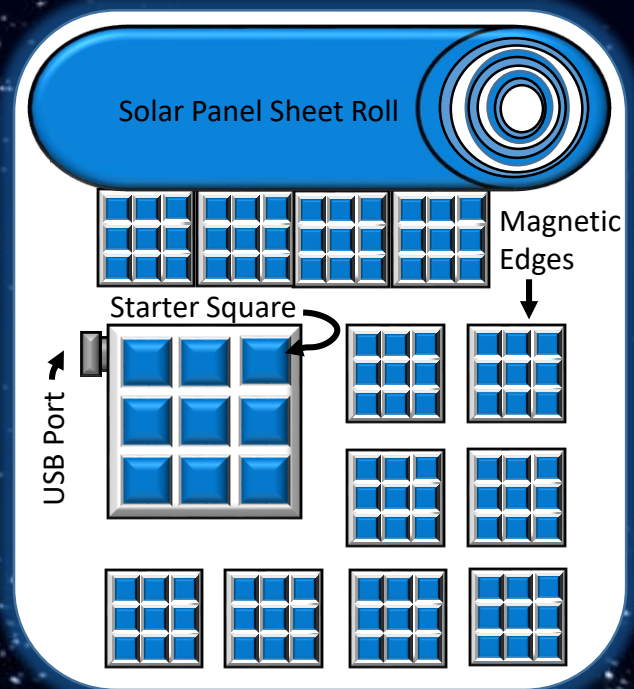
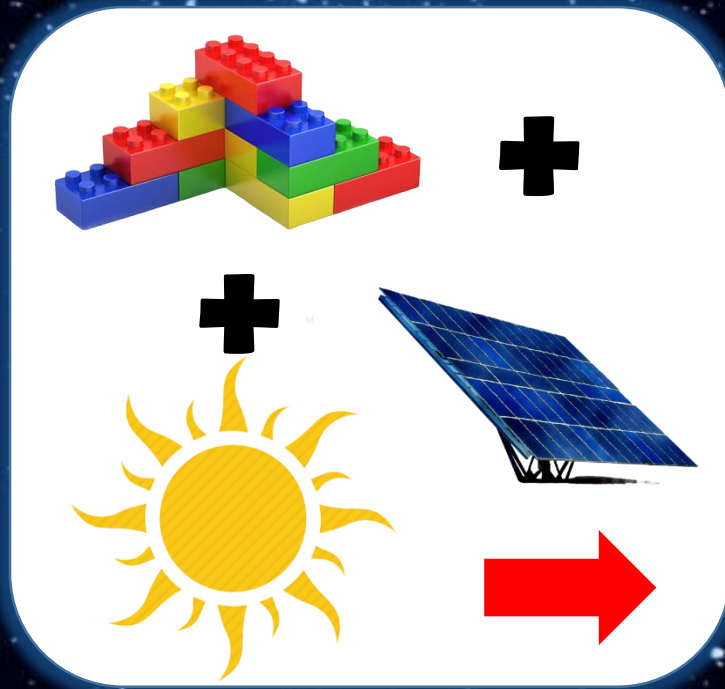




# POCKET POWER PANELS



**WHAT:** The Pocket Power Panel is the latest, the **GREATEST**, the most **POWERFUL** piece of engineered, energy technology ever **CREATED**. Featuring square pieces of **INDUSTRY** strength carbon fiber sheets with widths scaled down to only **100 NANOMETERS**, the Pocket Power Panel is built for energy on-the-go. With polarized magnetic edges, each piece is made to stack for easy transportation and has the ability to roll out for *\*almost\** instantaneous use as a phone, laptop, car, house, etc. **POWER** charger.

**THIS IS THE *FUTURE*. THE FUTURE IS *NOW*.**

# BEHIND THE NAME:

## POCKET:

~Portable  
~Small

## POWER:

~Energy Source  
~Evolutionary

## PANEL:

~Square Sheets  
~Ultra-thin

**WHO:** Everyone 10+

**WHAT:** Constructible solar energy source

**WHEN:** ...there are no outlets

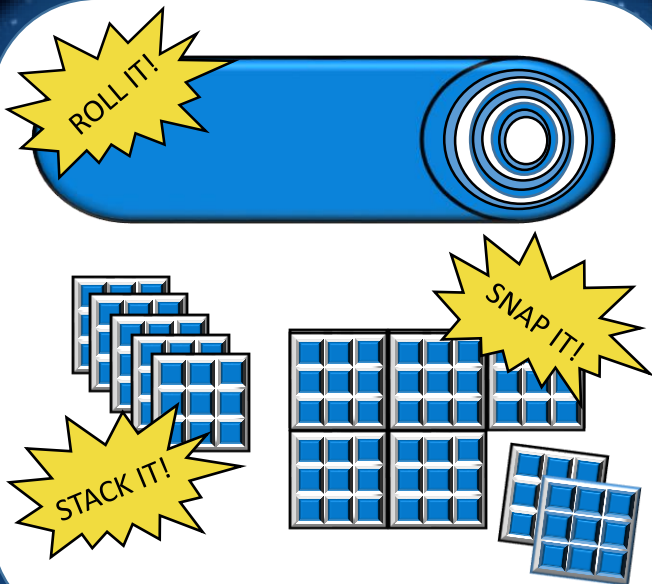
**WHERE:** Anywhere (sun required)

**WHY:** Portable and provides clean energy

## Instructions:

- 1) Open box of solar panel sheeting.
- 2) Unroll solar panel sheet under sunlight and let charge for one hour upon initial use.
- 3) Stack squares for easy storage.
- 4) Unstack squares and connect the edges to each other.
- 4) Make sure to place the "Starter Square" in the corners.
- 5) Use the "Size Guide" in order to determine the number of squares need for certain objects.
- 6) Connect the "Starter Square" to the object in question.
- 7) Place under an area of sunlight.
- 8) Wait.

**HAPPY CHARGING!!!**



**IF IT HAS NO POWER, DON'T BE SOUR**

# MANIFESTO

As Earth's population continues to experience exponential growth, we, the human population, will need to continue to explore new sources of energy and/or take advantage of the current technologies available to us in order to reduce the stress on Earth's nonrenewable resources. In addition, as a species, we need to take steps towards easing everyday tasks for the lives of humanity as a whole by making energy accessible worldwide. Not only do nonrenewable channels of energy negatively impact the environment before, during, and after it is used to generate energy, they required well developed systems and networks in order to deliver power throughout cities, which is often not a possibility in underdeveloped communities. Currently, solar energy is one of the most prominent sources of clean, renewable energy. However, although it is becoming considerably more popularized in modern, progressive homes, solar energy is a privileged expense and largely inaccessible to the general public. Solar panels are often bulky, heavy and involve profession installation. They provide the affordance of energy in an eco-friendly manner but lack the signifiers that make coal and gas sourced energy convenient and easy. Solar energy today makes power a privilege even more so than it already is. The time has come for this to change.

With the Power Pocket Panel, we are revolutionizing the way that energy is consumed worldwide. I envision this product being used across the globe in unique and diverse environments. From the bustling city of Nashville to the countryside of Saigon, this product is used as a convenient method of harvesting energy from the Sun. Built using ultra thin carbon fiber, silicon, and magnetic conductors, the Pocket Power Panel is meant to direct energy into anything with a USB cable connector. Unlike current solar panel systems, the Power Pocket Panel is much lighter, smaller, and easy to use. With magnetic connectors, this product easily stacks to store without the need of a container and assembled to use. In order to generate energy, users would simply have to connect the squares together and plug a USB cable into the system.

Aesthetically, the Pocket Power Panel is created with simplicity at its forefront. Its square design minimizes space usage. By having a geometrically symmetrical appearance, the Pocket Power Panel provides a satisfying, clean product that will enhance the look of any external objects. Its reflective blue tint will provide a raw, unfiltered visual of the science behind the technology.



## ... CONTINUED

This is a piece of technology that is engineered for good. It is a positive impact environmentally and can act as a step towards making energy accessible and economically feasible. Its versatility and intention makes it a virtuous tool at heart. It strives to push humanity to eudaimonia as a whole by leveraging science to benefit the masses on three different levels: for novelty, for necessity, and for integration.

First, it could be used as an everyday portable charger for your phone with the benefit of the charger ever needing prior "charge" itself. Second, it can be used in times of desperation when battery levels are low or even non-existent. As a self-standing product, the Pocket Power Panel can be view as a converter. It converts non-usable energy into usable energy rather than simply transferring energy from one location to another. The third case where I see this product being useful is in environments where power grids currently do not exist. This could provide clean energy to underprivileged communities and revolutionize the way people live their lives, similarly to the way clean water pumps have affected people in the last few decades. If the Pocket Power Panel reaches all three levels of usage, I see a change in the way we manufacturer other products like ovens, heaters, and lights. In addition, this is a prime example of a "Human-in-the-Loop" system as it consists of a construction portion in order to personalize each charge. The product's singular outlet and naturally attractive magnetic forces act as an instinctive signifier for users who are familiar with modern technology and provide a shallow learning curve for those who have never access similar products. It is mentally accessible and as competitors come into the market, it will become more economically accessible.

Fundamentally, the Power Pocket Panel is simply a portable solar panel. Socially, though the Power Pocket Panel is a movement towards a greater, greener tomorrow. **"Designed by the people, powered by the people." This is the Power Pocket Panel.**

**REMEMBER: THERE'S NO OBJECT TOO BIG OR SMALL FOR THIS HAS IT ALL! (...or does it?)**

**DISCLAIMER:** The Power Pocket Panels provides charge to small objects short term and ASSISTS in power generation for large objects due to the low efficacy of current solar panels. Charging objects must have a USB port cable at one end that connects directly to the energy source of the device. Since the product requires direct contact with sunlight, please monitor your charging object during the time of use. Tablets, phones, laptops, and other like technologies can be damaged if overheated. Due to the number of panels needed to generate large quantities of useable energy, this product is an economic scam to some degree. Warranty can only be used 1 year past the time of purchase. In addition, it is important to that this product is most certainly impossible to engineer in the real world as it ignores all the rules of physics and chemistry with regards to photon to electron conversions and ignores the material properties of several elements.