



Collapsible Solar Array

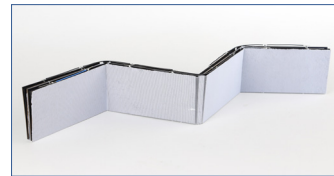
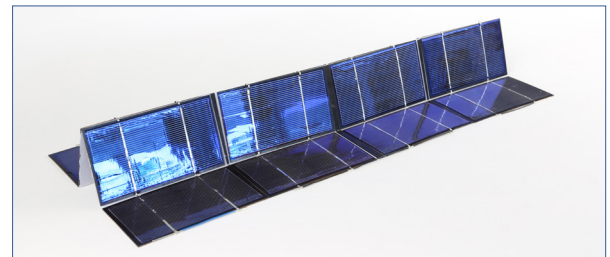
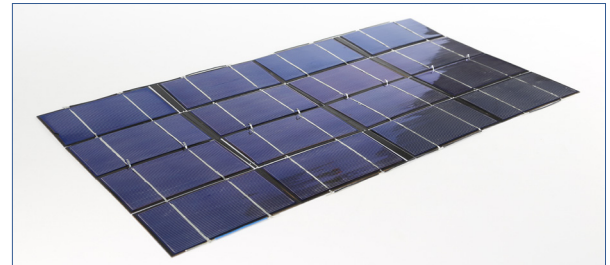
BYU #2013-058

DESCRIPTION

Researchers at BYU developed a foldable array of individual solar cells used to harvest the energy of the sun. The thickness accommodation enables additional rows and columns to be added to the array with no technical challenges. The design can be optimized for stowed dimensions by sizing the panels to an existing or desired solar cell size; the overall dimensions could be sized to a standard pocket size, or like constraint.

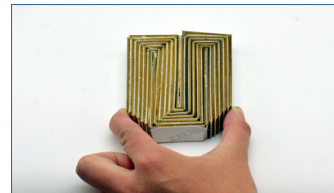
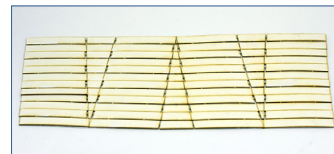
PROBLEM SOLVED

Increasing dependence on personal electronic devices has created a need to recharge batteries where access to the power grid is not available. Solar arrays can be an excellent means of obtaining power, but are typically large and bulky. This invention provides a portable solar harvesting device that collapses to the size of a single solar unit, making it significantly more portable than existing solar configurations. Additionally, the Collapsible Solar Array produces significant power.



KEY ADVANTAGES

- » *Significant power generation*
- » *High density when stowed*
- » *Highly portable shape*
- » *Rigid foldability*



Offer:
License
Exclusive
World Wide
All Fields of Use

APPLICATIONS

The invention is well suited for places and activities where access to normal power grid is limited but there is access to sunlight and electronic devices need to be recharged. Potential applications include: field work, backpacking, military and space applications.

IP STATUS:
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