



# SEED-POD

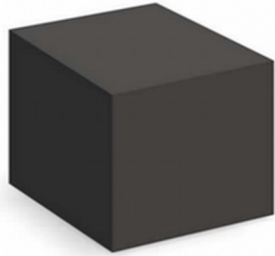
Power On Demand

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## American-Made Challenges: Solar Prize

**Energy insecurity** due to aging and fragile infrastructure effects about **1B people Globally**.<sup>[1]</sup> From 2011-2013 the United States has seen a **6-fold increase in power outages** with over **300 monthly grid disturbances**.<sup>[2]</sup>

**Black-Boxed** solar products have proprietary technologies; not interchangeable, scalable or adaptable.



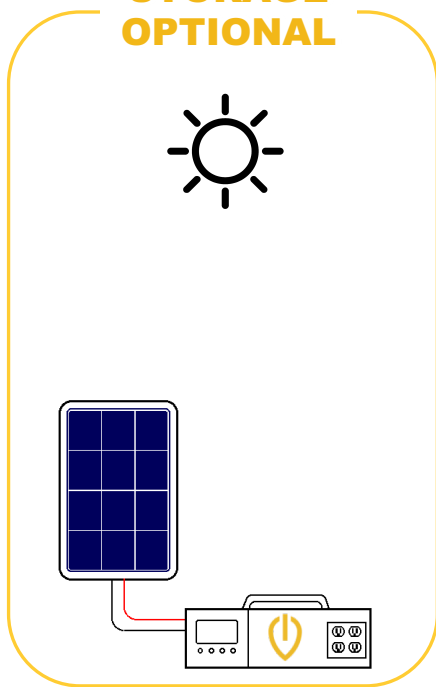
The United States has been hit by **\$16B USD disasters this year**, so far.<sup>[3]</sup> **Global Disaster Recovery Solutions Market** is expected to reach **\$26.23B USD** by 2025 due to growing instances of infrastructure failure, natural disasters, and other unanticipated events.<sup>[4]</sup>

## TECHNOLOGY

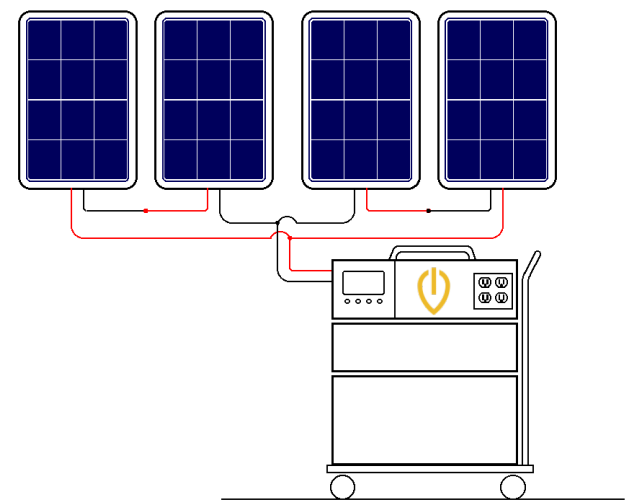
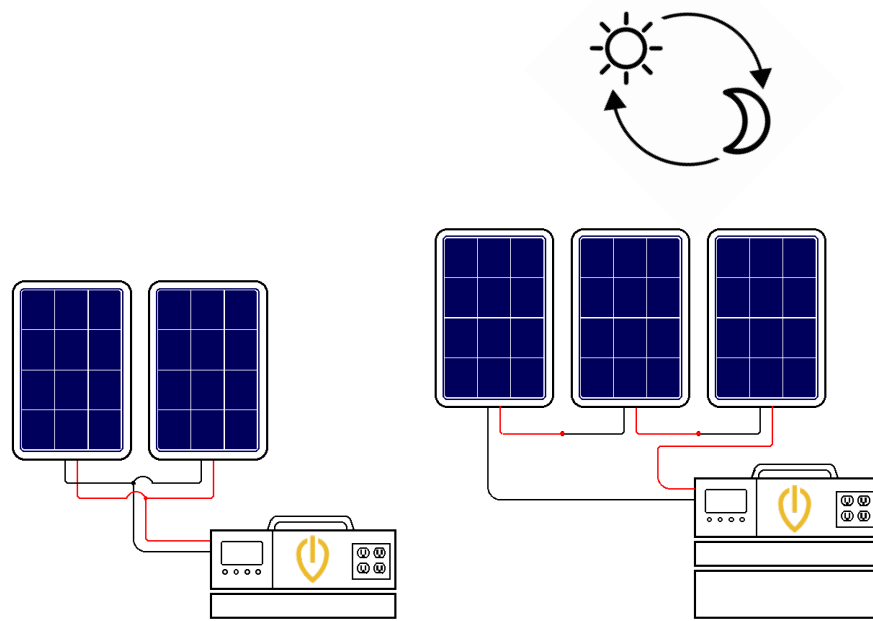
**Solar SEED-POD** is the first portable solar generator with the advantage of having **Smart Controller** technology which provides unprecedented **Multi-Modal** functionality:

- Generating regulated, usable **DC and AC** electricity directly from sunlight.
- **MPPT Charge Controller\*** with multi-stage charging and programmable load control. \*Various battery chemistries
- **System Safety Net:** reverting to direct-drive in case batteries or generators fail.
- **IoT and Remote Monitoring** via Bluetooth & GSM\* for individual and SEED-POD clusters. \*Optional GPS and WiFi Hotspot

### STORAGE OPTIONAL



### SOLAR OPTIONAL



Stackable Battery Packs @ 400ah max

Aux. 500W AC Battery Charger

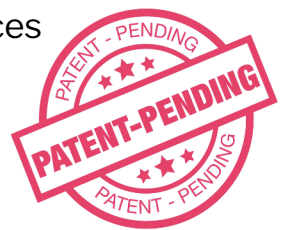
## PORTABLE POWER

### DC

- 3kW PV Input: 12-100V DC @ 40a max
- 2400W Power Converter
- 2 DC Outputs: 12-80V DC @ 20a max
- 4 USB and 2 USB-C Ports

### AC

- 2400W Pure-Sine Wave Inverter
- 4 Universal GFCI AC Outlets (Type A-L)
- AC Output: 110-120V / 230V AC
- Power for lighting and appliances



## NETWORK PARTNERS



<sup>(1)</sup>Tracking SDG7: The Energy Progress Report, 2019 <sup>(2)</sup>Economic Benefits of Increasing Electric Grid Resilience to Weather Outage, August 2013  
<sup>(3)</sup>National Oceanic and Atmospheric Administration, October 2020 <sup>(4)</sup>Grand View Research Inc., November 2018

