

## Gen-2-O

### Rapid Deploy Solar Generator with Electrical and Thermal Storage.

**Deployments:** Off-grid, disaster relief, developing nations, humanitarian and human welfare improvement.

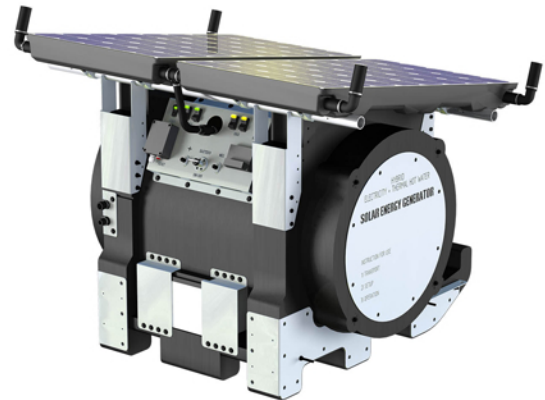
Swift to deploy, this compact device sets up in less than an hour making it a frontline choice for emergency response teams and military support. With so many parts of our world still lacking in hot water and basic electricity, the Gen-2-O is an ideal candidate for supporting aid in developing nations. The system ships on a standard 48" x 60" plastic pallet.

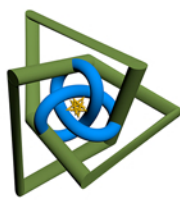
#### An Elite Electricity And Hot Water First Responder

The Gen-2-O has everything you need to start producing electricity and hot water quickly in a compact package. It comes with two or four PVT1 solar cell modules, a 200 liter insulated thermal tank, and a 12 volt DC charge controller. It provides 230 watts of peak electricity generation and that number leaps up to 1,270 watts for peak solar thermal. There is enough integrated battery storage for 1-kilowatt hour. The reliable 12-volt centrifugal pump keeps hot water flowing on demand. Those looking to use their thermal storage tank as a potable water well should consider the easy to use potable water pump option. The Gen-2-O has a dedicated onboard PVT system controller, and performance can be monitored with a smartphone and through the web.

#### Engineered For The World's Toughest Jobs

Off-grid locations and emergency response crews need outstanding performance and dependability in their gear. When deployed in remote or inaccessible areas, equipment has to work the first time. The Gen-2-O is certified to Underwriters Laboratory (UL), the Solar Rating and Certification Corporation (SRCC), and The Florida Solar Energy Center Photovoltaic and Thermal Standards (FSEV PV) organization.





# LEDOLAS

Lighting | Energy | Decontamination



Product View

## SYSTEM FEATURES Dual/Quad

### PV Electrical

250/500 Watt Peak PV Generation  
12 Volt DC Solar Charge Controller  
1kWh Integrated Battery Storage  
Performance Warranty

### Solar Thermal

1,270/2,540 Watts Peak Thermal Generation  
Thermal Harvest Controller  
Water temp range: 50 OC to 70 OC peak temp  
200 Liter (52 Gallon) Storage Capacity  
Integral Passive Loop Coil Heat Exchanger

### Centrifugal Pump

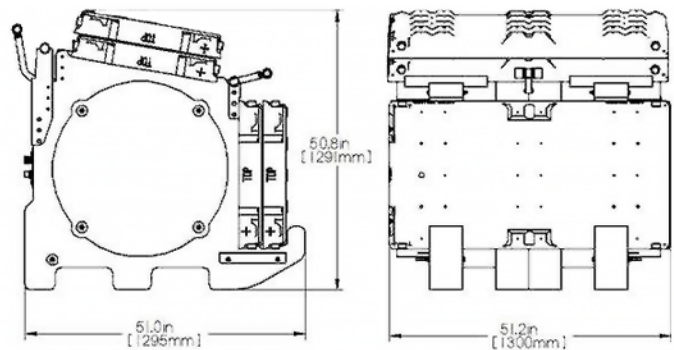
Thermal Harvest circulating pump is a DC powered, 12 volt permanent magnet, ball bearing mounted motor. Potable water supply pressure demand pump available option.

### PVT System Controller

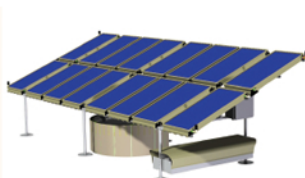
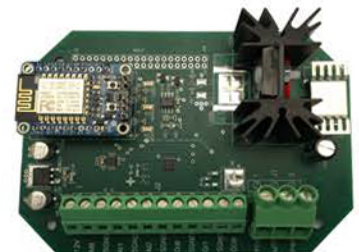
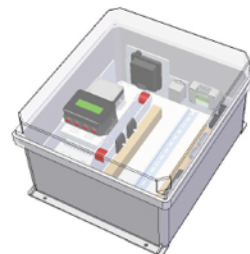
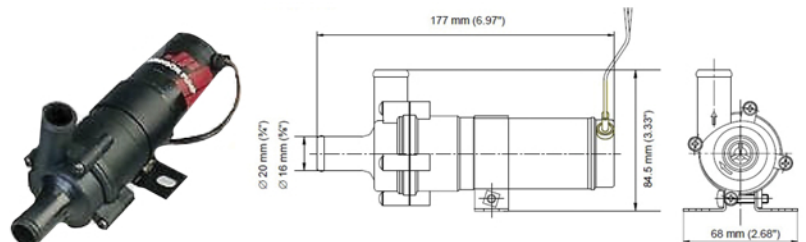
Micro-Processor Based Controls automatically operate the system for most efficient energy harvest. Web based system monitoring available. Contact LEDolas for additional information.

25 Year PV Performance Warranty  
Made in USA  
United States Patent # 8,476,522

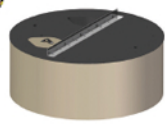
### Related Products



Shipping Weight: 165 LBS (75 KG) Load Distribution: 0.43 LBS/IN<sup>2</sup> ( 2926 N/m<sup>2</sup>)



Systems



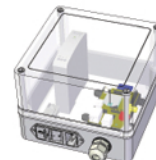
Thermal Storage



Racking



Plumbing



Controls



Balance of System