



Green World Systems™
Lighting the world one village at a time

Mobile Power Stations

Self-contained, self-sustaining, mobile renewable power systems

Provides Electricity, Water Purification, LED Lighting, Refrigeration, Cook-stoves

Solar and Wind Powered

- **Immediate power upon deployment**
- **Solar Panels, generating up to 3600 watts**
- **Small wind turbine, generating up to 1600 watts**
- **4.5 to 9.0KWH battery storage**
- **Water Purification System**
- **4.5 cu. ft. Refrigeration**
- **LED lighting**
- **Sunshine solar cooker™ = up to 1,200 meals/day.**
- **110AC**
- **Cell Phone Recharging/Battery Power**
- **Fire Extinguisher**
- **Power for Instant Communication**
- **Complete Assembly in 60-90 minutes**



APPLICATIONS

“On the Go and Off the Grid” Power Stations, with Water Purification, Refrigeration,

- Small Villages in developing countries with no possibility of connection to an electrical grid.
- Recreational and industrial areas
- FEMA Disaster Relief, from Hurricanes, Floods or other natural disasters
- USAID Refuge Camps and other National and International Humanitarian Services
- Military and Defense Mobile Power and Communications Needs
- Educational Mobile Labs

*Easy and cost-efficient to transport and fully fueled by solar and wind, **Mobile Power Stations** can be deployed anywhere in the world where the sun shines or the wind blows. **Mobile Power Stations** offer the best value proposition for immediate, renewable power: “On the Go and Off the Grid”.*

Power System DATA SHEET

The Mobile Renewable Power Station (MPS™) 110V AC Unit is ready to provide renewable OFF GRID energy anywhere in the world, fueled by the sun and wind. The MPS™ is designed to provide energy solutions for crisis and remote location needs and budgets.

Equipped with:

- PV solar panels
- Wind turbine
- Battery bank
- Charge controller
- Power inverter
- Water purification system
- LED lighting
- Solar cooker

Plus:

- Cell phone & battery device charging station
- Cooking pots
- Spare parts

MPS™ provides self-contained, easily transported light, power and solar cooking on wheels.

Model MPS 1225	
MPS™ Storage Trailer	Dimensions: 12' x 6' Tie Downs Security Locks Made in USA
Solar Array	Number of Modules: 12 Cell type: Monocrystalline Watts per module: 220 watts peak power Total array watts: 2,640 watts ±kWh per day*: 9.8 kWh
Wind Turbine	Rated Power: 400 watts at 28 mph Voltage: 48 VDC kWh per month: 38 at 12 mph Survival Wind Speed: 110 mph Marine Grade Made in USA Warranty: 3 years
Power Inverter	Surge: 6,000 VA Rated Output: 3,600 VA AC Voltage: 120 volts VAC 60 Hz Efficiency: 93% Rated Amps: 30 A Warranty: 5 years
Charge Controller	Max Amps DC: 80 A Warranty: 5 years
Battery Bank	Capacity (20 Hr Rate): 108 Ah Bank Voltage: 48 VDC Bank Storage: 5.2 kWh Type: AGM Maintenance Free 100% Recyclable Made in USA Warranty: 5 years
Monitoring System	Creates and stores performance logs Can be accessed remotely
Standard Electric Outlets	Voltage: 110 VAC Current: 15 Amps (limited by circuit breaker)
Weatherproof 99 LED Floodlights	Power usage: 6.5 Watts Voltage: 12.5 VDC Lifetime: 30,000 Hours
Portable Water Purifier **	Rate: 1 gallon per minute Power: Solar charged battery or external 12 VDC Capacity on battery: 100+ gallons per day Capacity on external power: 720+ gallons per day Made in USA Warranty: 3 years
Refrigerator	Capacity: 4.5 cu. ft. Voltage: 110 VAC Current: 1.3 Amps
25 LED Rechargeable Lanterns	Portable lighting for many uses
Recharging station with 18 outlets	Recharge cell phones, power tools, lanterns, etc.
25*** Sunshine Family Cookers	Sunshine Community Solar Cooker also available****
Fold down Table and 2 chairs	
Fire extinguisher	
Spare parts	Solar panel, water filters, etc.

As part of our contiguous improvement process, specifications are subject to change without prior notice. * kWh/day calculation based on 5 peak sun hours and 90% efficiency for temperature
** 3 to 10 gallon per minute stationary water purifiers available *** Model MPS 1250 includes 50 Sunshine Family Cookers **** Model MPS 1260 replaces the Family Cookers with the Community Solar Cooker Ask about our new Model MPS 900 and MPS 1800 series.