

The Harvester™ Solar-Electric Generator

Mobile Platform: HM007, HM008 and HM010

Micro Utility platform for lighting, water & other services

Clean & silent: 100% pollution and noise free

Easy plug and play setup



Solar Array: Standard 80 watts expandable to 240 watts

Charge controller: 15 amp PWM with LCD Display

Inverter: 110V/60Hz or 220V/50Hz True Sine

Battery: Deep-cycle, sealed 105 amp-hour



SolarOne[®]
Solutions

The Harvester™ Solar-Electric Generator HM007, HM008, HM010



*"The True Sinewave Harvester is the nicest, all in one PV charging station I've had my hands on."
- Joe Schwartz, HOME POWER Magazine*

The **Harvester™** is an environmentally friendly power source that uses power from the sun to recharge a fully contained 105 amp hour battery. A sturdy, maintenance-free, 80-watt solar panel tilts easily for maximum solar exposure. Each unit accepts up to 3 solar panels for extra charging power. No dangerous fuels or smelly fumes; just simple, clean power. The **Harvester** is 100% noise free. Power is stored in the power center for use at any time. Each unit sports a True Sine wave inverter that comes in versions for either US or international power standards. The basic mobile **Harvester** assembles in minutes and fits easily into the trunk of a car. The **Harvester** is ideal for Micro Utilities such as lighting, water purification, and telecom. It is also perfect for TVs, radios, laptops, small power tools, VCRs, lights, and other low power devices.



Harvester™ 3x

Sample Run Times*

Check out our Run-Time Calculators for more details at www.solarone.net.

Device	80watt solar	240watt solar
SolarOne - 26 watt light L001	48 hrs	61 hrs
SolarOne - Water Purifier (120W) W001	7 hrs	11 hrs
Radio (20W)	36 hrs	48 hrs
Laptop computer (30W)	28 hrs	37 hrs
Food Mixer (100 W)	9 hrs	12 hrs
Printer (180 W)	5 hrs	7 hrs
19" Color TV (80W)	11 hrs	15 hrs
LED sign (25W)	31 hrs	43 hrs

*Run times are estimates only. Run times are based on starting with a full battery plus 5 hours of solar input. Based on DC appliances. AC appliances of similar wattage will run 10 to 20% shorter.

Ordering

Specifications

The **Harvester** Micro-Utility Platform consists of 3 basic sub-assemblies: The Solar Module, Platform, and Power Center.

Specifications	HM007, HM008, HM010, HG007, HG008 and HG010 The Harvester
Solar Module	80watt, 17Volt, 4.7A, 47.3 x 21.2 x 1.8 inches, 21lbs.
Platform	Mobile. Details below
Power Center	ABS and polyethylene. 20 x 20 x 10 ", 70 lbs w/ battery
Inverter	Select voltage and frequency form that meet your needs. Details below
Battery	105 a-hr. Sealed. FAA approved. Double capacity with add-on . Details below
Charge Controller	15 amp PWM with LCD display and LVD. Electronic overcurrent protection.
LCD Display	Voltage, solar current, dc load current, faults
Outputs	two 12vdc lighter socket, two 12vdc RV-type, 1 battery charger input, 1 solar charging input
Environment	0-100 F, 100% humidity. Rain, snow okay.
Warranty	Solar panel: 10 year power, 1 year workmanship Battery: 6 month, Charge Controller 5 year

BASIC			
<input checked="" type="checkbox"/> Power Platform	<input type="checkbox"/> Mobile		
Basic Harvester Weight	141lbs.		
Dimensions	26" x 22" x 29"		
Key Features	Puncture-proof tires		
<input checked="" type="checkbox"/> Power Center	<input type="checkbox"/> 110V/60Hz TS	<input type="checkbox"/> 220V/50Hz TS	<input type="checkbox"/> None (DC)
Max Power	600 watts	600 watts	
Surge Power	1200 watts	1200 watts	
<input checked="" type="checkbox"/> Power Add-ons*	Data Logger Add-on*		
Additional solar module	<input type="checkbox"/> 1	<input type="checkbox"/> 2	Energy Flow <input type="checkbox"/> SEE D001 DATASHEET
Added battery pack	<input type="checkbox"/> 1		Custom <input type="checkbox"/> CONTACT SOLARONE
<input checked="" type="checkbox"/> Application Add-ons*	<input type="checkbox"/> Flood Light SEE L001 DATASHEET <input type="checkbox"/> Water purifier SEE W001 DATASHEET		

See SolarOne's Price List for model numbers and pricing.

*See additional literature for details on the Add-on Components.

For More Information Contact:

SolarOne Solutions reserves the right to change specifications at any time. The Harvester is protected by U.S. patent numbers 6,201,181 and 6,974,904. HM007-HM010.SPECv1.2 - 08.2006