

Portable Power Generator



SunWize Technologies, Inc.

Description

The SunWize™ Portable Power Generator (PPG) is a transportable source of battery power. This fully integrated unit quietly generates DC or AC electricity to run small appliances such as lights, small televisions, fans, laptop computers and small power tools.

The SunWize Portable Power Generator is designed to be recharged from either a solar module or an optional AC battery charger. A controller monitors the charge to avoid under and over charging the battery and a meter displays how much charge is in the battery. The AC model includes an internally mounted inverter that changes DC electricity to AC electricity for use by most appliances. The externally mounted rocker switch lets you turn the inverter off and on as needed. The AC unit includes one 120VAC socket with an outdoor cover as well as 2–7.5A, 12 VDC sockets mounted in the end panel. The base unit is also available in a DC version with two DC sockets for 12V loads and a high-current DC output version with an additional 30A DC socket for external inverter connections. The deep-cycle, marine grade battery and solar module are optional.

The SunWize Portable Power Generator never needs fuel, is absolutely silent, and requires little maintenance. This portable generator, 73 lbs with a battery, is housed in a weather-resistant, polyurethane enclosure with lockable handles for carrying. All you need to do is plug the solar panel into the generator to charge the battery. Once the battery is charged you are ready to go!

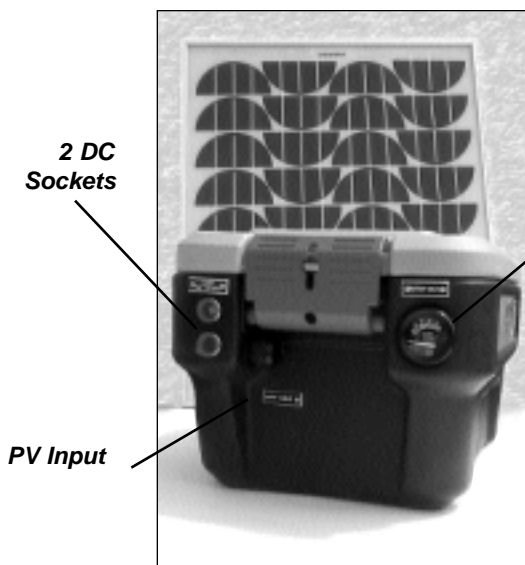


Ideal for:

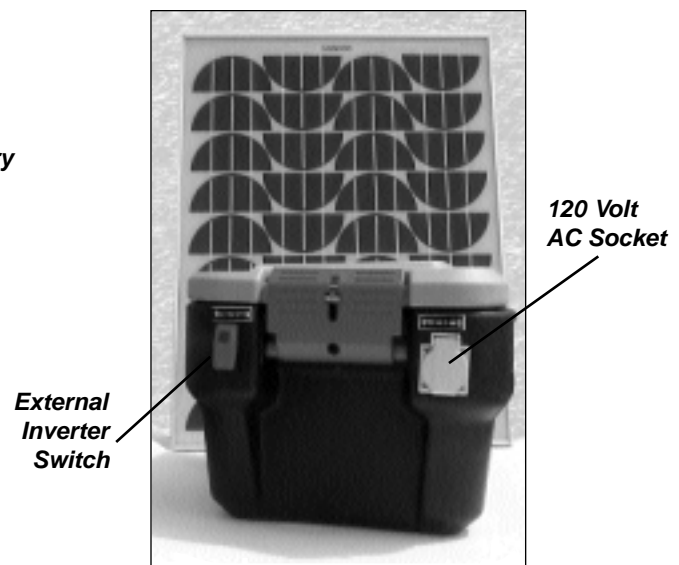
- Emergency Power
- Disaster Relief Power
- Remote Power
- Camping & Boating
- Tool Sheds, Barns
- Construction Sites
- Farms
- Field Work

Features:

- Completely assembled and factory tested
- Portable and ready to use
- Simple 'plug and go' operation
- External inverter switch (AC Model only)
- PV module mounting accessories
- 120VAC socket with outdoor cover (AC Model only)
- Internal 150-watt, 120VAC inverter (AC Model only)
- Battery meter indicates state-of-charge
- Sockets separately fused
- Corrosion and weather resistant, rugged, non-breakable enclosure
- Designed for DC charging from solar panels
- 2 DC sockets for 12V loads up to 90W each
- Environmentally friendly



**Portable Power Generator
Base Model**



**Portable Power Generator
AC Model**

The SunWize Portable Power Generator is available in 3 basic models - a 12 amp AC version with a 150 watt inverter, and a 12 amp DC and a 30 amp DC version. Models above shown with optional 50W Siemens PV Module.

Portable Power Generator



Sample Usage Chart: Model # 75100ACPPG

Consists of base unit with controller, 75 watt module and 100 Ah battery. AC version includes a 150 watt inverter. The fully charged battery provides 1050 Wh Dc, (950 Wh AC). A 75 watt module provides 190 Wh per 4 full sun hours to the battery.

Sample Usage per Day: (Watt hours = estimated wattage of appliance X hours of run time)					
Appliance	Wattage	X	Run Time	=	Watt Hours
2- 15W lights	15W		8 hours (4 hrs each)	=	120 Wh
1 Television	50 W		2 hour	=	100 Wh
1 Fan	25 W		4 hours	=	100 Wh
TOTAL Wh per day usage: = 320 Wh					
<i>Estimated Operating Time: 5 days (3 days with sun and 2 days without sun).</i>					
<i>Estimated Recharge Time: 4.5 full sun days for a completely discharged system.</i>					
Please note: SunWize uses true, deep-cycle batteries. These batteries are also used for military applications and by airlines. Figures will vary based on geographic location.					

The SunWize™ Portable Power Generator is available in 3 basic models - a 12 amp AC version with a 150 watt inverter, and a 12 amp DC and a 30 amp DC version. All base units include a 20 ft., 12/2 cable with a DC input plug. You provide your own battery and module.

Model	Controller	Inverter	Dimensions	Weight	SW Part Number
Base AC	12 amp	Internal 150 watt	21" x 15" x 12"	10 lbs	ACPPG
Base DC	12 amp	N/A	21" x 15" x 12"	9 lbs	DCPPG
Base DC 30	30 amp	N/A	21" x 15" x 12"	9 lbs	DC30PPG

For your convenience, the SunWize™ Portable Power Generator is also available as a complete package in three AC versions and five DC versions.

Model	Controller	Inverter	PV Module	Battery	Dimensions	Weight	SW Part Number
AC 36/60	12 amp	Internal 150 watt	36 watt	60 Ah	21" x 15" x 12"	53 lbs	36060ACPPG
AC 50/100	12 amp	Internal 150 watt	50 watt	100 Ah	21" x 15" x 12"	74 lbs	50100ACPPG
AC 75/100	12 amp	Internal 150 watt	75 watt	100 Ah	21" x 15" x 12"	74 lbs	75100ACPPG
DC 36/60	12 amp	N/A	36 watt	60 Ah	21" x 15" x 12"	52 lbs	36060DCPPG
DC 50/100	12 amp	N/A	50 watt	100 Ah	21" x 15" x 12"	73 lbs	50100DCPPG
DC 75/100	12 amp	N/A	75 watt	100 Ah	21" x 15" x 12"	73 lbs	75100DCPPG
DC30 50/100	30 amp	N/A	50 watt	100 Ah	21" x 15" x 12"	73 lbs	50100DC30PPG
DC30 75/100	30 amp	N/A	75 watt	100 Ah	21" x 15" x 12"	73 lbs	75100DC30PPG

Accessories

Model	Description	SW Part Number
Universal AC Battery Charger	110-240 VAC, 50/60 Hz with DCI-PPG plug	ACDCC-PPG
External US-Voltage Inverter	Modified sine-wave, 250W/120VAC/60Hz with 30A plug	INV250US-PPG
External Euro-Voltage Inverter	Modified sine-wave, 250W/230VAC/50Hz with 30A plug	INV250EU-PPG
External Sine-Wave Inverter	True sine-wave, 250W/120VAC/60Hz with 30A PPG plug	INV250SW-PPG
36 W Module	Additional 36 W module with 2 module interconnect kit	PV36MIJ-PPG
50 W Module	Additional 50 W module with 2 module interconnect kit	PV50MIJ-PPG
75 W Module	Additional 75 W module with 2 module interconnect kit	PV75MIJ-PPG
Foldable PV Module	72 Wp with 20 ft. cord and DCI-PPG (call for availability)	PVF72-PPG
TL Light Fixture 8 W	Fluorescent, 8 W with 20 ft. cord and DCL-PPG plug	TL8/20-PPG
TL Light Fixture 15 W	Fluorescent, 15 W with 20 ft. cord and DCL-PPG plug	TL15/20-PPG
DC Load Plug (male)	12V, 10A maximum, for wiring additional DC load equipment	PLGDCS-PPG
DC Input Plug (female)	12V, 15A maximum, for wiring additional DC input equipment	PLGDICI-PPG
Module Mounting Hardware	See "Module Mounting Hardware" section	