

SunWize™ SoListo Solar Home System



Ideal for . . .

- Rural Home Electrification
- Remote Cabins
- Tool Sheds and Barns
- Emergency Power

The SunWize™ SoListo Solar Home System, designed for rural home electrification, replaces dry cell batteries, kerosene and candles with safe, dependable solar energy. These systems supply electricity for lighting, entertainment and information to homes that are not connected to utility power grids. The SoListo includes electronic system safeguards and provides years of reliable service and convenience.

The basic SoListo system is designed to provide power for DC fluorescent lights and a small television or radio. A controller monitors battery charging to avoid under or over charging the battery and an LED light displays how much charge is in the battery. The AC model includes an internally mounted inverter that changes DC electricity to AC electricity. The SunWize SoListo never needs fuel, is absolutely silent and requires little maintenance.

Complete systems including modules and batteries are available. DC fluorescent lights are also available as well as other accessories.

Standard Features

- "Intelligent" battery charger maximizes output from solar module
- Multi-volt selector switch with outlet
- Main battery/solar module disconnect switch with safety fuses
- State-of-charge (SOC) or voltage-based battery charging, preset to SOC control
- International labeling
- Sealed or flooded battery adaptable, preset to sealed
- Battery polarity indicator lights
- 12 VDC outlet
- Solar charging/system status light
- Battery state-of-charge indicator light

Benefits

- No fire hazards created by open flames
- No noise
- High reliability
- Low maintenance
- No fuel dependence
- Solid state systems
- Modular design allows system expansion
- Easy installation
- Clean energy
- Power for any location

SunWize™ SoListo Solar Home System is manufactured by SunWize Technologies, Inc., SunWize is a photovoltaic company specializing in the manufacture of integrated power systems and the distribution of solar modules and balance of system components.

For more information call us at (914) 336-0146. Visit our web site at www.sunwize.com



Siemens field-proven solar modules optimize energy output, provide long life and high reliability, and are certified worldwide. Siemens modules are backed by the longest warranty in the PV industry – 25 years!



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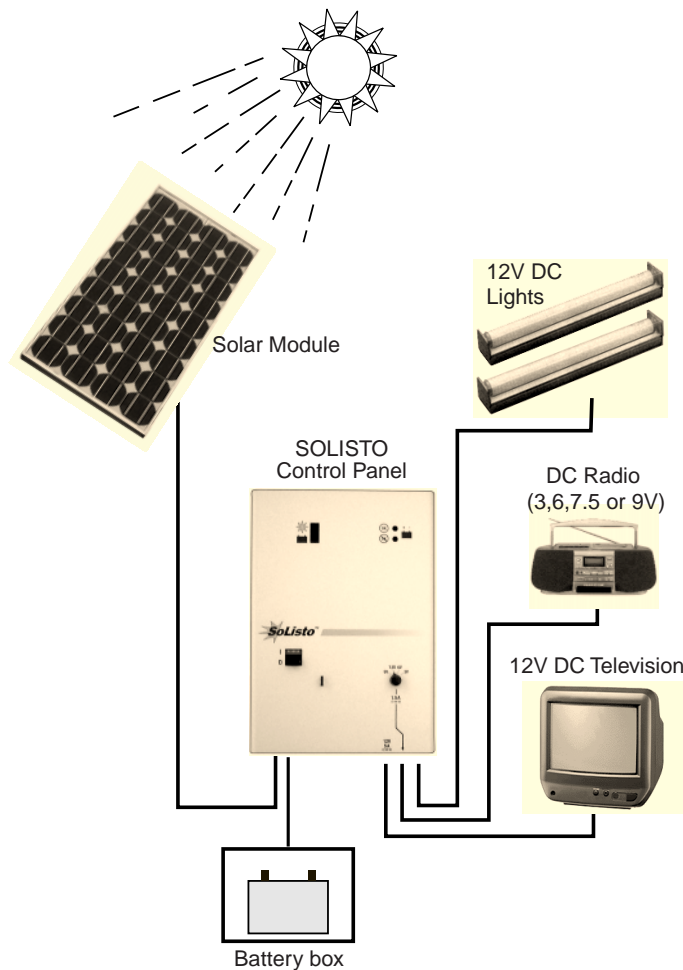
Product Information

SoListo Controller

Model*	Voltage	PV/Load Current	Inverter	Weight	SW Part #
SHC DC	12, 9, 7.5, 6, 3 VDC	8A, 12A or 20A (specify current)	N/A	4.1kg 9 lb.	996SHCXXDCMV-A
SHC AC	120VAC, 60Hz, 12, 9, 7.5, 6, 3 VDC	8A, 12A or 20A (specify current)	200 Watt (internal)	4.7kg 10.25 lb.	996SHCXXACMV-A

* Optional audible low voltage alarm available - specify "LVA"

XX – Specify Current



SoListo Solar Home System Description

Distributed By:

Electrical Specifications

Nominal Operating Voltage	12/24 V
Maximum PV Input Amps	8 A / 12 A / 20 A
Maximum Load Amps	8 A / 12 A / 20 A
Main Fuse	10 A / 15 A / 20 A
Self-Consumption	10 mA
Operating Temperature	-25° C to 50° C

Mechanical Specifications

Maximum PV/Battery Wire Size	13.6 mm ² (#6 AWG)
Maximum Load Wire Size	5.2 mm ² (#10 AWG)
Dimensions	40cm X 28 cm X 6 cm (15 5/8" X 11" X 2 3/8")
Weight (without inverter)	4.1 kg (9 lb.)

Output Specifications

Multi-Volt Control/Outlet

Nominal Voltage	9VDC	7.5VDC	6VDC	3VDC
Maximum Load Amps	1.5 A	1.5 A	1.5 A	1.0 A

(2 Amp Fuse)

Cigarette Lighter Outlet

Nominal Load Voltage	12VDC
Maximum Load Amps (fused)	5 A

Direct-Wired Load(s)

Nominal Load Voltage	12VDC
Maximum Load Amps	7.5 A
Maximum Wire Size	5.2 mm ² (#10 AWG)

Battery Charging Specifications

	SOC Control	Voltage Control
Low Voltage Disconnect (LVD) Warning	SOC < 40%	11.7 V
Load Disconnect	SOC < 30%	11.1 V
LVD Reconnect	SOC < 50%	12.6 V
Cycle Charge (14.4V)	SOC < 70%	11.7 V
Equalization Charge (14.7V)S (flooded battery)	OC < 40%	12.4 V
Final Charge Voltage	13.7 V	13.7 V
Temperature Compensation	-4mV/°C/Cell	-4mV/°C/Cell

Double voltages for 24 V systems



CORPORATE HEADQUARTERS
 90 Boices Lane, Kingston, NY, USA 12401
 Tel: (914) 336-0146 • Fax: (914) 336-0457
 e-mail: sunwize@besicorp.com
 www.sunwize.com