



SOLAR POWER SYSTEMS

All SunWize Products drop shipped to your location



Steca Controllers

The SunWize-Steca Solsum controller is an economical pulse-width modulated shunt controller. A tricolor LED indicates three ranges of battery voltage and a green LED indicates current array. The Solsum controller features overcharge and over discharge protection, temperature compensated charging, MOSFET transistors and fuse protection. These controllers ensure maintenance-free operation and long product life. Available with or without a low-voltage disconnect.

The SunWize-Steca Gamma, Sigma and Omega controllers use an advanced control algorithm that sets new standards for solar charge technology. The self-learning controller automatically adjusts for the capacity and age of the battery. Patented hybrid regulator design combines both series and shunt technology for nominal power consumption. These controllers provide standard protection features as well as a tricolor information LED and tricolor state-of-charge LED. Available with or without an LCD.

Model	Voltage	Rated PV Current	Rated Load	Size (inches)	Weight (lbs)	HRO Price
Solsum 5.0X	12/24 VDC	5 A	5 A	3.4 x 3.85 x 1.37	0.22	\$35.95
Gamma	12/24 VDC	12 A	12 A	7.4 x 4 x 1.93	1	\$81.95
Sigma	12/24 VDC	20 A	20 A	7.4 x 4 x 1.93	1	\$99.95
Omega	12/24 VDC	30 A	30 A	7.4 x 4 x 1.93	1	\$124.95



Solar Modules

Even in severe environmental conditions, SunWize solar modules endure and continue to generate power reliably. They have been engineered for strength, durability, and dependable operation in any climactic region. SunWize modules feature single crystal-line solar cells that are textured and anti-reflection coated for maximum output. Both of the modules listed carry a 25 year warranty.

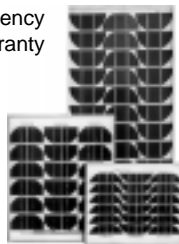
coated for maximum output. Both of the modules listed carry a 25 year warranty.

Model	Nominal Voltage	Rated Power	Rated Voltage	Rated Current	Size (inches)	Weight (lbs)	HRO Price
SP75	12/6 V	75 W	17/8.5 V	4.2/8.5 A	47.3 x 20.8	16.7	\$449.95
SW100	12/6 V	100 W	17.7/8.5 V	6:00 AM	56.93 x 25.43	26	\$645.00

OEM Series Solar Modules

For the best small module value, consider SunWize single crystalline, high efficiency solar modules for superior quality and economic pricing. A twenty year warranty reflects the superior quality and assures long produce life.

Model	Nominal Voltage	Rated Power	Rated Voltage	Rated Current	Size (inches)	Weight (lbs)	HRO Price
OEM5	12 V	5 W	16.7 V	.31 A	11.8 x 9.9	2.4	\$67.95
OEM10	12 V	10 W	16.7 V	.61 A	15.0 x 13.4	4	\$105.95
OEM20	12 V	20 W	16.7 V	1.22 A	20.9 x 16.9	6.4	\$164.95
OEM40	12 V	40 W	16.7 V	2.36 A	38.3 x 17.2	12.6	\$255.95



Uni-Solar Flexible Solar Battery Chargers

Unique technology solar modules are exceptionally durable and are designed for powering portable or portable/mobile stations. Blocking and bypass diodes allow output even under partial shading and ease paralleling when more power is required. Packaged with a fused power cable.

Model	Nominal Voltage	Rated Power	Rated Voltage	Rated Current	Size (inches)	Weight (lbs)	HRO Price
FLX-5	12 V	5 W	16.5 V	.30 A	21.8 X9.71	1.18	\$95.00
FLX-32	12 V	32 W	16.5 V	1.94 A	56.27 X 16.7	4.7	\$325.00



Batteries



The valve-regulated, gelled-electrolyte Deka Solar batteries offer reliable, maintenance free power for renewable energy applications. All models 12 VDC. Sealed construction eliminates periodic watering, corrosive acid fumes and spills. The electrolyte will not stratify so no equalization is required. These batteries are rated non-spillable by ICAO, IATA and DOT. Safe to ship by truck or air.

Model	Weight (lbs.)	HRO Price
8GU1	24	\$85.95
8G22NF	39	\$139.95
3G27	64	\$199.95

Model	Capacity @ 100 Hr. Rate	Capacity @ 20 Hr. Rate	Size (inches)
8GU1	36 Ah	31 Ah	7.75 x 5.13 x 7.25
8G22NF	56.5 Ah	48 Ah	9.4 x 5.5 x 9.25
8G27	98 Ah	86 Ah	12.75 x 6.75 x 9.87

System Package Recommendations

For a 5 Watt Transmitter

- 1 - OEM-20 Solar Module
- 1 - Deka 8GU1 Battery
- 1 - Steca Solsum 5.0X Controller
- Optional SWRGMOEM201
- Roof / Ground Mounting Bracket

For a 25-50 Watt Transmitter

- 2 - Siemens SP75 Solar Modules
- 2 - Deka 8G27 Batteries
- 1 - Steca Sigma Charge Controller
- Optional SWRGMSP752
- Roof / Ground Mounting Bracket

For a 100 Watt Transmitter

- 5 - Siemens SW 100 Solar Modules
- 2 - Deka 8G27 Batteries
- 1 - Steca Solsum Omega Controller
- Optional SWRGMSP10004
- Roof / Ground Mounting Bracket

System recommendations are general guidelines. Contact HRO for a computer sizing of your solar powered ham radio application. For large telecommunications applications, pre-packaged systems ranging from 500 W to 5000 W are available. Call for quotes.