

SUNWIZE, POWER-UP and TRINA SOLAR MODULES

All the major manufacturer's modules we carry feature similar, very high quality, manufacturing techniques:

- Tempered Low Iron Glass
- Anodized Aluminum Frames
- EVA (Ethylene Vinyl Acetate) - Tedlar encapsulation with Butyl Edge Seal
- Terminal Boxes on Module Back or MC connectors on the large modules
- Built-in bypass diodes

Currently we feature Sunwize, Power-Up and Trina solar modules in our solar electric kits.

Be sure to check pages 28 to 31 for our complete listing of module racks.

Sunwize Solar Modules

702-110 S110P 110W 12V Solar Module \$369

Sunwize solar modules are manufactured in China and imported by SunWize as a private label brand. Sunwize, being one of the largest alternative suppliers in the US, insures that the 25-year warranty will be supported. Sunwize solar modules feature high quality construction as noted to the left and below:



- Multi-crystalline solar cells
- Tempered low iron impact resistant glass
- Weather-proof junction box
- Anodized aluminum frames
- Built-in bypass diodes
- 25 Year Limited Power warranty

Electrical and Mechanical Characteristics for the S110P		
Module Type	S110P	
Maximum Power	110 W	
Voltage at Pmax	16.9 V	
Current at Pmax	6.5 A	
Short Circuit Current	6.7 A	
Open Circuit Voltage	21V	
Dimensions	Length	48.38"
	Width	26.06"
	Depth	1.97"
	Weight	21.4 lbs

Power-Up Solar Modules

704-185 BST185-24 185W 24V Solar Module \$269

The Power-UP BST185-24 solar module is manufactured in China and imported by Power-Up. The BST185 high efficiency monocrystalline solar module boasts one of the best 25 year power warranties in the business.

Electrical and Mechanical Characteristics for the BSP185-24		
Module Type	BSP185-24	
Maximum Power	185 W	
Voltage at Pmax	35.59 V	
Current at Pmax	5.262 A	
Short Circuit Current	5.695 A	
Open Circuit Voltage	44.29 V	
Dimensions	Length	62.20"
	Width	29.84"
	Depth	1.38"
	Weight	40.2 lbs

Trina Solar Modules

708-240 Trina 240 Watt Solar Module \$279

Trina solar modules are being imported from China. They have been in the solar module business since 1997. Trina is "vertically integrated", meaning they make all parts for their solar modules themselves. Trina modules feature the same high quality construction as all brand name solar modules:



Trina 240

- Multi-crystalline solar cells
- Tempered low iron impact resistant glass
- MC4 connector cables
- Anodized aluminum frames
- Built-in bypass diodes
- 25 Year Limited Power warranty
- UL Listed

Electrical and Mechanical Characteristics for Trina Modules		
Module Type	Trina 240	
Maximum Power	240 W	
Voltage at Pmax	30.1 V	
Current at Pmax	7.81 A	
Short Circuit Current	8.31 A	
Open Circuit Voltage	37.1 V	
Dimensions	Length	65"
	Width	39"
	Depth	1.57"
	Weight	43 lbs

BSP185-24



- Monocrystalline solar cells
- Tempered low iron impact resistant glass
- MC4 connector cables
- Anodized aluminum frames
- Built-in bypass diodes
- 25 Year Limited Power warranty
- UL Listed

SUNWIZE and MITSUBISHI SOLAR MODULES

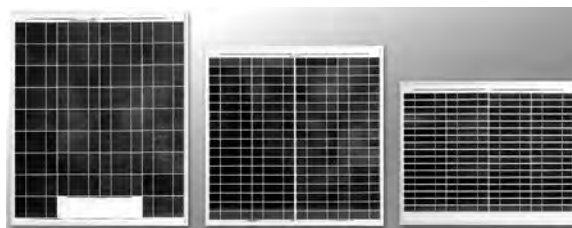
SunWize SP Series Solar Modules

702-040	S40P 40W 12V Solar Module	\$189
702-055	S55P 55W 12V Solar Module	\$229
702-070	S70P 70W 12V Solar Module	\$259
702-090	S90P 90W 12V Solar Module	\$319
702-110	S110P 110W 12V Solar Module	\$369
702-140	S140P 140W 12V Solar Module	\$399
702-150	S150P 150W 12V Solar Module	\$419

SunWize SP Series modules deliver top quality performance for all photovoltaic applications, including rural electrification, water pumping, and general battery charging.

They feature the following industry standard construction:

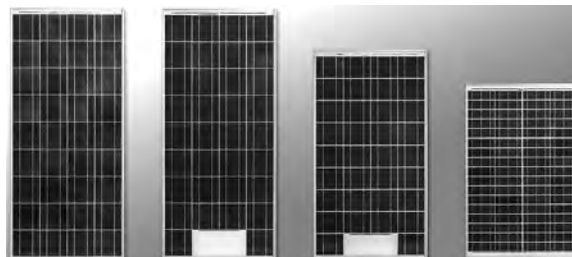
- Single crystalline solar cells
- White Tedlar™ Backing
- Laminated with ethylene vinyl acetate (EVA)
- Tempered low iron impact resistant glass
- Weather resistant junction box (SW180-MC3 Cables)
- Anodized aluminum frames
- Bypass diodes included



SW70P

SW55P

SW40P



SW150P

SW140P

SW110P

SW90P

SP Specifications	S40P	S55P	S70P	S90P	S110P	S140P	S150P
Rated Power:	40W	55W	70W	90W	110 W	140W	150W
Rated Voltage:	17.1V	16.9V	17.1V	16.9V	16.9 V	17.1V	18.1V
Rated Current:	2.3A	3.25A	4.1A	5.3A	6.5 A	8.2A	8.3A
Open Circuit Voltage:	21.0V	21.0V	21.0V	21.0V	21.0 V	21.0V	22.2V
Short Circuit Current:	2.4A	3.40A	4.30A	5.6A	6.7 A	8.5A	8.5A
By-Pass Diodes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Length:	21.38"	26.06"	31.34"	41.02"	48.38"	58.38"	58.38"
Width:	26.06"	26.06"	26.06"	26.06"	26.06"	26.06"	26.06"
Depth:	1.97"	1.97"	1.97"	1.97"	1.97"	1.97"	1.97"
Weight:	9.9lbs	12.1lbs	14.1 lbs	18.1lbs	21.4 lbs	25.4lbs	25.4lbs

SP Specifications	S05P	S10P	S20P	S30P
Maximum Power	5W	10W	20W	30W
Voltage at Pmax	16.5V	16.7V	17.1V	16.7V
Current at Pmax	0.30A	0.60A	1.15A	1.80A
Short Circuit Current	0.33A	0.64A	1.2A	1.90A
Open Circuit Voltage	20.5V	20.8V	21.0V	20.8V
Dimensions	Length	9.92"	12.52"	21.38"
	Width	10.75"	13.86"	13.86"
	Depth	1.97"	1.97"	1.97"
	Weight	2.9 lbs	4.0 lbs	6.2 lbs
Part No.	702-005	702-010	702-020	
Price	\$59	\$89	\$119	



SW30P

SW20P

SW10P

SW5P

702-040	S05P 40W 12V Solar Module	\$55
702-055	S10P 55W 12V Solar Module	\$79
702-070	S20P 70W 12V Solar Module	\$199
702-090	S90P 30W 12V Solar Module	\$159