



Product Data Sheet

No. 69590 - 07/15

120-WATT SOLAR COLLECTOR



Sierra Wave® 120-Watt Solar Collector uses high-efficiency monocrystalline solar cells and is built tough for all outdoor needs. Designed to connect to Sierra Wave power centers including #9670 Solar Link™ 240, #9675 1000-Watt Energy Center, #9690 1500-Watt Incremental Energy Center or directly charge 12V batteries and other similar devices.

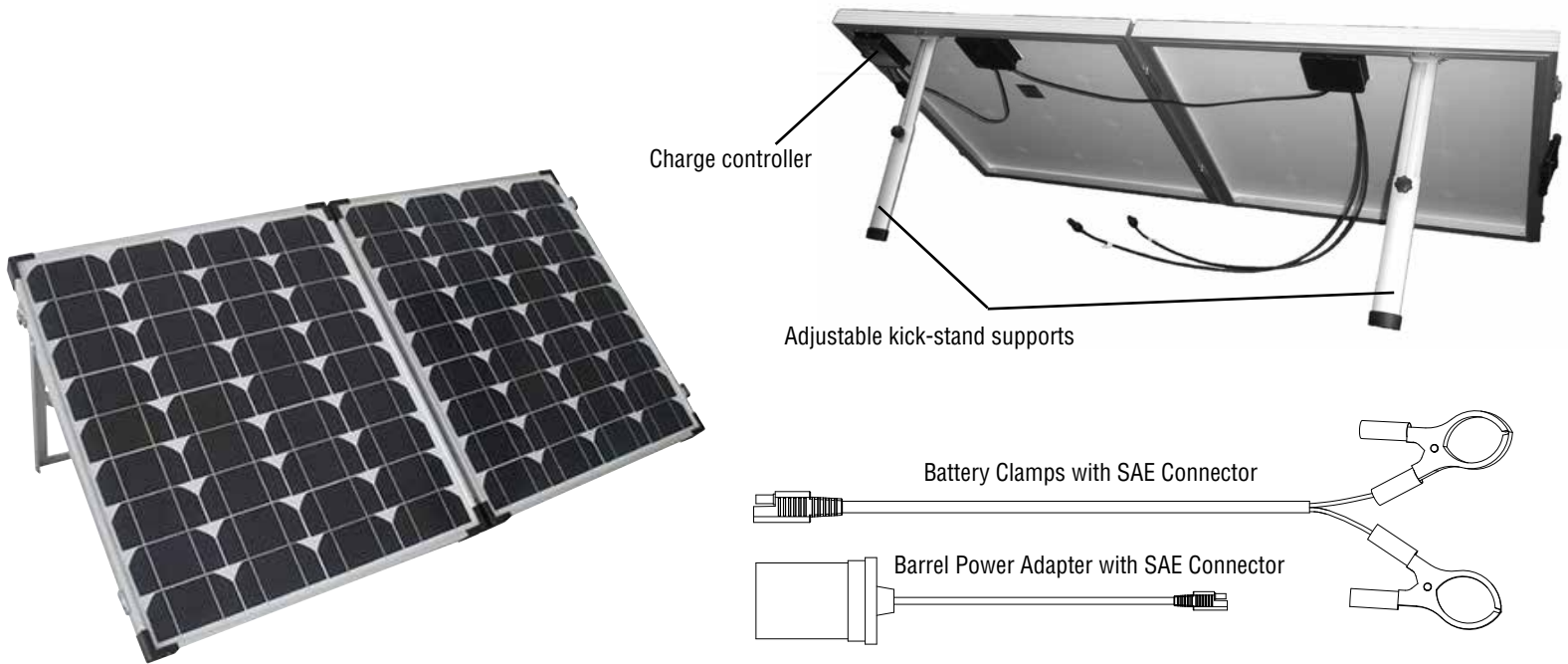
Includes an adjustable kick-stand support, built-in 10A Solar Charge Controller, 12V battery clamps, a 12V barrel power adapter and a nylon storage/carrying bag.

SPECIFICATIONS

Solar Collector	120-Watt monocrystalline, CE, FCC approved
Power Output.....	15-18V DC/6.8A max (working), 19-21.5V DC max (no load)
Operating Temperature.....	32° - 120°F (using in colder temperatures will result in ineffective charging)
Weight	25 lbs. (11.3 kg)
Dimensions.....	52.28" L x 1.377" W x 24.85" H (133 x 3.5 x 63 cm) unfolded 26.14" L x 2.756" W x 24.85" H (66.4 x 7 x 63 cm) folded
10A Charge Controller (mounted)	Maximum Input: 20V DC, 10A/180 watts Operating Temperature: 32° - 120°F Over Charge Protection: 14V DC (+0.5V) Over Discharge Protection: 11.0V DC (±0.3V) DC Output (load): 10A max
Chain Option	Optional #9502 Chainable Connector connects 2 panels together for 240W
Accessories (included)	12V battery clamp Barrel power adapter Carrying bag

Packaging:			
Each box:	32 lbs. (14.5 kg)	3.25 CF (0.09 CM)	29.13" L x 7" W x 27.56" H

PARTS IDENTIFICATION



OPERATING INFORMATION

Provides 120-watts of solar collection using high quality monocrystalline solar cells. Includes built-in MC4 cables that allow for quick connection to Sierra Wave portable power centers or any other compatible device. Includes a 10A Solar Charge Controller with overcharge protection. Up to 2 #9590's can be chained together for 240-watts of energy collection. #9503 30' Extension Cable is available to reach between the solar collector outdoors and the power center indoors.

Device Charge Time	Actual results will vary depending on available sunlight and the device being charged
9675 1000-Watt Energy Center	1 panel: 8-10 hours
9695 PowerPro200	3-4 hours
9690 1500-Watt Incremental Energy Center (with 2 #9691 batteries installed)	1 panel: 12-14 hours 2 panels: 8-10 hours
12V vehicle batteries	Reference the battery manufacturer's specifications. Example: 40Ah battery at 5.5A, charge rate = 8-10 hours. Chaining 2 panels together 4-6 hours.
Portable electronic devices (12V DC or lower)	Reference your device's operating specifications



9675 1000-Watt Energy Center

Available Storage Device



9690 1500-Watt Incremental Energy Center

WARRANTY

1-year warranty to the original registered owner on all products from date of purchase. User returns, exchanges and defective refunds must be made with the original place of purchase. Because Aervoe cannot control Buyer's handling or use of product, Aervoe makes no warranty expressed or implied when not used or stored in accordance with directions. Aervoe shall not be liable for cost of labor, incidental or consequential damages, and this warranty is limited to replacement or repair of product or credit of purchase.