100 WATT SOLAR PANEL

*Mounting solution is not included

11 Amp
Charge Controller

SAE-battery clamp cable

Features

- *Comes with 11A charge controller*
- *Including solar kit connecting cables*
- *Modular design ideal for expandable solar systems*
- *Great for use with RVs, boats, backup power and all 12 volt applications.*
- *Equipped with heavy duty aluminum frames for strong weather resistance and permanent mounting*

SPECIFICATIONS

Solar Panel	
Solar Panel:	Polycrystalline
Maximun Power :	100 Watts
Voltage at Pmax(Vmp):	18 Volt
Current at Pmax(Imp):	5.65 A Amps
Open circuit voltage(Voc):	21.6 Volt
Short sircuit Current(Isc):	5.74 Amps
Charge Controller	
Maximum Input power:	165 Watts
Maximum Input Current:	11 Amps
Cut-in voltage:	13 Volt
Cut-out voltage:	14.2 Volt
Material:	Aluminum & Glass constrction

SHIPPING DETAILS

Item Number:	50111
UPC Code:	839290005712
Country of Origin:	Mexico
Panel Dimensions:	26.4 x 39.7 x 1.4 in
Pacakge Dimensions:	41.5 x 27 x 2 in
Product Weight:	20.5 lbs with package
	18 lbs without pacakge
Master Quantity:	1

1-800-588-0590
www.naturepowerproducts.com
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25 YEAR LIMITED WARRANTY

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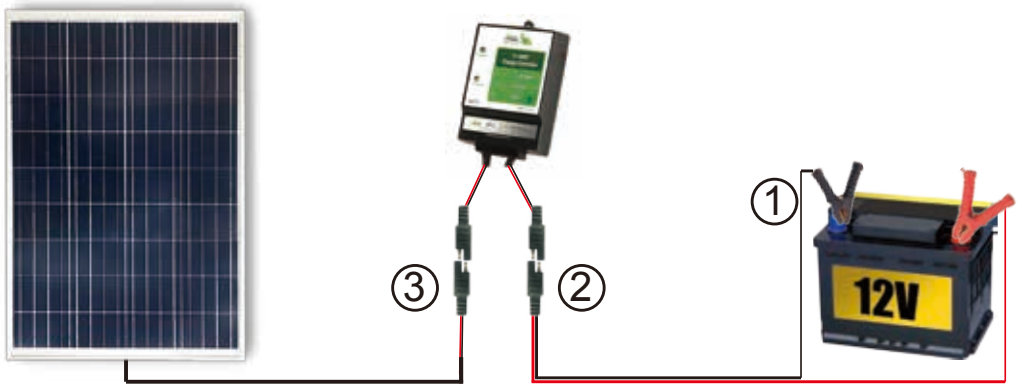
Solar Power Kit Connecting



Battery not included

Weekly Power Chart

All run times/ratings are estimates only and may vary depending on your location, time of day, time of year and are based on 7 Hours of full sunlight per day.

Solar panel Rated Hourly (Maximum output)	100W	200W	300W	400W
	5.65Amp	11.3Amp	16.95Amp	22.6Amp
Weekly Output	4.9Kw·h	9.8Kw·h	14.7Kw·h	19.6Kw·h
Weekly Power Run Time				
Fluorescent Light 40 watts	122 hr	244 hr	366 hr	488 hr
Laptop 20-50 watts	98 hr	196 hr	294 hr	392 hr
Fan 80 watts	61 hr	122 hr	183 hr	244 hr
PC 80-150 watts	32 hr	64 hr	96 hr	128 hr
40" Television/ Projector 200 watts	24 hr	49 hr	72 hr	96 hr

FAQ

- ***Will this kit work with a 12V or 24V battery?***
  This is a 12V battery charging system only. Please call Nature Power Customer Service for more 24V system configuration.
- ***How do solar system work?***
  The panel's photovoltaic cells convert the energy in sunlight to electricity, the electricity is then stored in the battery and an inverter will allow you to plug in appliances. there is 4 major components needed to set up your solar off grid system. Solar panels, charge controller to control the charge to the battery bank, a battery for power storage and an inverter to transfer DC power from the battery to an AC power.
- ***Does the panels need to be in direct sun to work?***
  No, although solar panels produce the highest wattage output in direct sunlight, they will still produce power on cloudy days.
- ***Do I need a battery to store Power?***
  Yes, a battery is needed to store the power from the solar panel, inverter will also connect to the battery.