

2018



MOBILE SOLAR AND INVERTER SOLUTIONS

Go Power!®

PRODUCT GUIDE

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SINCE 1996

SOLAR | INVERTERS | CHARGERS | BATTERIES

For 22 years, Go Power! has been a trusted company in the solar technology and power inverter market. This experience—paired with our commitment to providing excellent value—means we only produce high-quality components that give you more for your money. Durable, dependable, and cost effective is what we stand for.

Use Go Power! off-grid full-time or to combat costly battery maintenance. Our solar and inverter systems and kits offer mobile power solutions for wherever grid power is inaccessible, unavailable, or unsustainable.



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BRANDS WE WORK WITH



Pleasure-Way

... AND MANY MORE!

HOW SOLAR WORKS

Go Power! solar kits charge the RV's battery bank to power lights, fans, and other DC appliances. Solar also extends battery life by ensuring a healthy charge level.

SOLAR PANELS*

Convert the sun's energy to electricity, which charges the battery bank. Solar panels mount to the RV rooftop or are available as a portable solar kit.



BATTERIES

High efficiency batteries are the system's DC power reservoir and store the electricity generated from the solar panels.



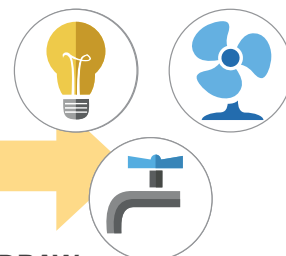
SOLAR CONTROLLER*

Regulates the amount of electricity sent from the solar panels to the batteries and protects batteries from overcharging damage.



POWER DRAW

DC appliances such as lights, fans, and water pumps draw power from the RV battery bank.



* Components included in Go Power! Solar Kits

SOLAR FAQs

How does solar work with my RV?

Solar takes the sun's energy and converts it into DC battery power to charge your RV batteries. It is a battery charger that works anytime the sun is out.

How long can I run my appliances or electronics on solar?

This all depends on how many amps your load consumes per hour and how large your battery bank is. Try using the Solar Sizing Calculator on the next page, which will recommend battery bank size for the loads you use.

What is the difference between DC and AC power?

DC (direct current) power is drawn from a battery and will run several types of 12-volt RV appliances, like lights and water pumps. AC (alternating current), which is drawn out of the wall at home, can be replicated in an RV by using an inverter to convert your 12-volt DC battery power into 120-volt AC household power. This is important if you wish to run AC-powered devices such as a TV, hair dryer, or coffee maker.

Can I run my TV, refrigerator, or water pump on solar?

Many refrigerators in RVs can run on DC propane and AC power. The solar panels will provide power to the batteries, which will allow you to run the fridge on DC power and propane. Solar will also charge the batteries so you can use your water pump. Many TVs run on 120-volt power, so you might require a small inverter to run a TV.

Do I need to install an inverter if I only want to charge my boat or RV battery with a solar panel?

No, you only require an inverter if you need to convert DC battery power to AC household power to run devices like TVs, tool chargers, and microwaves.

Will solar work in the winter in my state or province?

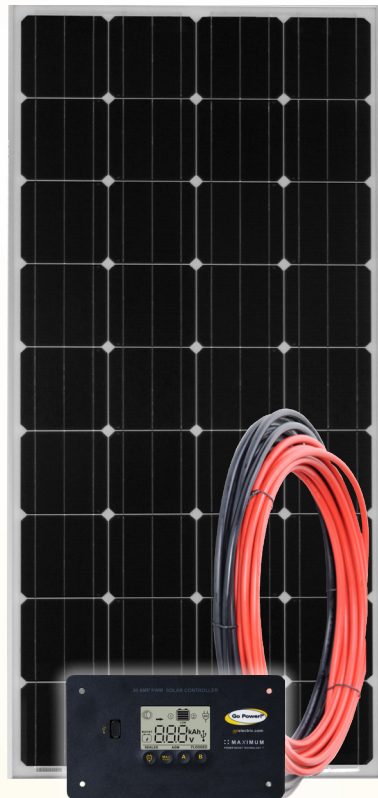
Solar will work anytime it is light out and sunlight is shining on the panel. However, if there is an accumulation of snow on the panel, it will not work.

SOLAR

SINGLE-PANEL KITS

WHAT IS A SOLAR KIT?

Go Power! kits contain a solar panel, solar controller, mounting hardware and cables, and are ideal for simply charging your RV battery.



OVERLANDER KIT

Our most popular kit, the Overlander now has 10 extra watts of power to keep your batteries healthy and charged. Features a 25-year power-output warranty.

WATTS	AMPS
170	8.9
CONTROLLER	
30 amp PWM solar controller	
WEIGHT & DIMENSIONS	
26.4 lb 59.1 x 26.3 x 1.58 in	

RETREAT KIT

Our most efficient charging kit, the Retreat is ideal for campers/rooftop where space is limited. Features a 25-year power output warranty.

WATTS	AMPS
100	5.4
CONTROLLER	
30 amp PWM solar controller	
WEIGHT & DIMENSIONS	
17.6 lb 47.09 x 21.46 x 1.38 in	

EXPANSION KITS

Add more power to the OVERLANDER and RETREAT kits. Expansion kits include solar panel, mounting hardware, and MC4 branch connectors. Features a 25-year power output warranty.

EXPANSION KITS	AMPS	WATTS	WEIGHT	DIMS
OVERLANDER-E	8.9	170	26.4 lb	59.1 x 26.3 x 1.58 in
RETREAT-E	5.4	100	17.6 lb	47.09 x 21.46 x 1.38 in

ECO SERIES KITS

Compact, roof-mounted kits. Ideal for trickle-charging in the off-season or for charging a smaller battery bank. 80W and 20W kits include digital controller, 25' of cable, and all mounting hardware.



ECO SERIES	AMPS	WATTS	CONTROLLER	WEIGHT	DIMS
GP-ECO-80	4.6	80	10 amp	13.2 lb	30.71 x 26.46 x 1.38 in
GP-ECO-20	1.3	20	10 amp	3.97 lb	13.58 x 18.50 x 0.98 in
GP-ECO-10	0.7	10	Not required	1.7 lb	13.19 x 9.25 x 0.98 in

SOLAR FLEX KITS

Conforms to the RV rooftop and eliminates any need for custom mounts. Includes a digital solar controller and can be mounted with adhesive or screws for a secure install. Expand solar capabilities with an expansion kit.



SOLAR FLEX	AMPS	WATTS	CONTROLLER	WEIGHT	DIMS
GP-FLEX-100	5.6	100	30 amp	2.9 lbs	44.6 x 21.4 x 0.1 in
GP-FLEX-50	2.8	50	10 amp	1.6 lbs	42.1 x 11.3 x 0.1 in
GP-FLEX-30	1.7	30	10 amp	1.1 lb	24.4 x 14.96 x 0.1 in
GP-FLEX-100E*	5.6	100	Not required	2.9 lbs	44.6 x 21.4 x 0.1 in
GP-FLEX-50E*	2.8	50	Not required	1.6 lbs	42.1 x 11.3 x 0.1 in

*Expansion kits

PORTABLE SOLAR KITS

These kits are perfect as supplementary chargers or as an additional power source for any rooftop solar kit. Plug & Play connectivity ensures fast and easy set-up between the panels and the battery. Includes 12' UV cables and a durable carrying case.

PORTABLE SOLAR KIT	AMPS	WATTS	CONTROLLER
GP-PSK-120	6.7	120	10 amp
GP-PSK-80	4.4	80	10 amp

PORTABLE SOLAR KIT	DIMS (OPEN)	DIMS (CLOSED)	WEIGHT
GP-PSK-120	32.48 x 39.76 x 1.38 in	32.48 x 19.88 x 2.76 in	33 lbs
GP-PSK-80	21.65 x 39.76 x 1.18 in	21.65 x 19.88 x 2.36 in	19.8 lbs

ACCESSORIES	
GP-PSK-X30	GP-PSK-7PIN
30' Extension Cable	Trailer Plug Adapter



Compatible with pre-wired RVs
SOLAR ON THE SIDE™



Look for RVs pre-wired with a **SOLAR ON THE SIDE™** port.

SOLAR CONTROLLERS

**MAXIMUM
POWER POINT
TRACKING**

The most efficient MPPT controller for RVs, the GP-MPPT-40 regulates and prevents the solar panel from overcharging batteries.

- Maximum Power Point Tracking (MPPT) charging
- 3 battery charging profiles
- Maximizes all power from your solar modules
- Stackable: add an additional controller for 80A capacity
- Easy-to-read backlit digital remote display
- **5-year warranty**

**CONTROLLER
GP-MPPT-40**

**NEW
FOR 2018**

**REMOTE DISPLAY
GP-MPPT-R**



PWM SOLAR CONTROLLERS

Regulates and prevents the solar panel from overcharging batteries with Pulse Width Modulated (PWM) charging.

GP-PWM-30



CONTROLLER

30 Amp PWM

DIMENSIONS

4.25 x 7.48 x 1.38 in

GP-PWM-10-FM



CONTROLLER

10 Amp PWM

DIMENSIONS

3.94 x 4.02 x 1.14 in

GP-PWM-10-USB



CONTROLLER

Compact 10 Amp PWM

DIMENSIONS

3.94 x 4.02 x 1.14 in

FEATURES

- 3 battery charging profiles, 4-stage charging
- Maximum Power Boost tops up batteries at the end of daylight
- Easy-to-read, backlit digital display
- Built-in USB charge port
- Heavy-duty terminals
- Dual bank battery charging*
- ISW Inverter on/off control*
- **5-year warranty**

*PWM-30 only

SOLAR

MULTI-PANEL KITS



For those who need extra power, our multi-panel kits deliver large amounts of DC solar charging for power-hungry appliances.

ALL-ELECTRIC KITS

SOLAR AE-6 1020 watts

Suggested:

 x 4 to 8

SOLAR AE-4 680 watts

Suggested:

 x 4 to 6

Eliminating the need for conventional battery charging, the solar all-electric kits are great for systems with all electric residential fridges.

- Our largest rigid-panel kits
- 40-amp MPPT solar controller(s)
- GP-CEP-25, 25' MC4 cables, 1 red and 1 black
- Mounting hardware

ALL ELECTRIC KIT	PANELS	WATTS	AMPS	CONTROLLER
SOLAR AE-6	6	1020	53.4	GP-MPPT-40 (X2)
SOLAR AE-4	4	680	35.6	GP-MPPT-40

Pair with our Inverter Charger to power your AC loads.



SOLAR FLEX™

FLEX-500 KIT

These 500 and 200 watt kits with flexible solar modules provides extra power and installation versatility.

- 500 watts, 28 amps of solar power
- 40-amp MPPT solar controller
- GP-CEP-25, 25' MC4 cables, 1 red and 1 black
- Mounting hardware

SOLAR FLEX	PANELS	WATTS	AMPS	CONTROLLER
GP-FLEX-500	5	500	28	GP-MPPT-40
GP-FLEX-200	2	200	11.2	GP-PWM-30



SOLAR COMPLETE SYSTEMS

Get freedom to use your AC and DC appliances anywhere with Go Power! complete solar and inverter kits. These kits all include a 30 amp PWM solar controller and an inverter remote and install kit.

SOLAR EXTREME



WATTS	AMPS
510 (3x 170W)	26.7
INVERTER CHARGER	
3000 watt pure sine wave inverter charger (with built-in 125 amp battery charger and 50 amp transfer switch)	

SOLAR ELITE



WATTS	AMPS
340 (2x 170W)	17.8
INVERTER CHARGER	
2000 watt pure sine wave inverter charger (with built-in 100 amp battery charger and 50 amp transfer switch)	

WEEKENDER ISW



WATTS	AMPS
170	8.9
INVERTER / TRANSFER SWITCH	
- 1500 watt industrial pure sine wave inverter - Prewired 30 amp transfer switch	

INVERTER/CHARGER

IC Series™

A 3-in-1 system combining an inverter, battery charger, and automatic transfer switch. These combo units FIT are designed to save space and simplify installation. UL listed, the IC Series is available in 2000 and 3000 watt models, and comes with a 3-year warranty.

INVERTER CHARGER	WATTS	SURGE (3ms)	BATTERY CHARGER	TRANSFER SWITCH	WEIGHT
GP-IC-3000-12	3000	6000	125 amps	2x 50 amps	51.9 lbs
GP-IC-2000-12	2000	4000	100 amps	2x 50 amps	38.7 lbs

GP-ICR-50



- IC Series inverter charger remote
- Easy-to-read, 4-line digital display
- Non-volatile memory settings
- 50' cable
- 3-year warranty
- Included in Inverter Charger package

GP-IC-3000-12-PKG



GP-IC-2000-12-PKG



The IC Series Inverter Chargers are now available in our Solar Extreme and Solar Elite complete systems.

INVERTERS

Premium mobile power in a sleek, lightweight profile. Bring reliable power on the road with the Go Power! Industrial Pure Sine Wave Inverters, available in 150-3000 watts. Provide peace of mind when powering electronics with a 2-year warranty. Also available in 24v.



 on all ISW inverters!

PURE SINE WAVE INVERTERS	WATTS	SURGE (3ms)	OUTLETS	INVERTER CABLE KIT	REMOTES	WEIGHT & DIMS
GP-ISW-3000-12	3000	6000	Hard wire	Use GP-DC-KIT5	Use GP-ISW-R / GP-SWR-A	18.08 lbs 17.40" x 10.04" x 6.22"
GP-ISW-2000-12	2000	4000	2 GFCI	Use GP-DC-KIT4	Use GP-ISW-R / GP-SWR-A	11.55 lbs 17.45" x 9.76" x 3.27"
GP-ISW-1500-12	1500	3000	2 GFCI	Use GP-DC-KIT3	Use GP-ISW-R / GP-SWR-A	9.13 lbs; 16.59" x 9.76" x 3.27"
GP-ISW-1000-12	1000	2000	2 GFCI	Use GP-DC-KIT2	Use GP-ISW-R / GP-SWR-A	7.19 lbs; 14.65" x 7.87" x 3.27"
GP-ISW-700-12	700	1400	2 GFCI	Use GP-DC-KIT2	Use GP-ISW-R / GP-SWR-A	5.73 lbs; 13.00" x 7.87" x 3.27"
GP-SW-300-12	300	600	2 GFCI	Anderson Lug Terminals Included	Option for 2 wire switch	7.7 lbs 9.3" x 6.1" x 2.8"
GP-SW-150-12	150	300	2	12V Plug Included	Option for 2 wire switch	5.9 lbs 8" x 5.3" x 2.9"



HEAVY DUTY MODIFIED SINE WAVE INVERTERS

Economical and reliable power solutions for running lights, appliances, and other resistive loads. The 12-volt Go Power! Modified Sine Wave Inverters range from 225 to 5000 watts and come with a 1-year warranty.

MODIFIED SINE WAVE INVERTERS	WATTS	SURGE (3ms)	OUTLETS	INVERTER CABLE KIT	REMOTES	WEIGHT & DIMS
GP-5000HD	5000	10000	4	Use GP-DC-KIT5	Use GP-HD-R	15.65 lbs; 18.50" x 9.92" x 4.13"
GP-3000HD	3000	6000	4	Use s	Use GP-HD-R	10.54 lbs; 11.41" x 9.92" x 4.13"
GP-1750HD	1750	3500	3	Use GP-DC-KIT3	Use GP-HD-R	6.42 lbs; 8.07" x 8.86" x 3.50"
GP-1000HD	1000	2000	2	Use GP-DC-KIT2	Use GP-HD-R	3.11 lbs; 9.44" x 4.88" x 2.95"
GP-800HD	800	1600	2	Use GP-DC-KIT2	Use GP-HD-R	2.31 lbs; 7.48" x 4.88" x 2.95"
GP-400HD	400	800	2	Lighter Plug Included	N/A	1.54 lbs; 6.30" x 4.25" x 2.64"
GP-225HD	225	450	2	Lighter Plug Included	N/A	1.01 lbs; 5.27" x 3.86" x 2.05"

BATTERIES & POWER ACCESORIES

SUN CYCLE™ AGM SOLAR BATTERIES

Specifically designed for solar, the AGM deep-cycle batteries offer maintenance-free, sealed construction and integrated carrying handles. UL listed, the battery is available in 6V and 12V models, and comes with a 2-year warranty.

GP-AGM-100



- 12V, 110AH @ C100 | 100AH @ C20
- Float application: 13.5 - 13.8 V
- Cycle application: 14.4 - 15.0 V
- 67.5 lbs; 12.01" x 6.61" x 8.15"

GP-AGM-225-6V



- 6V, 225AH @ C20
- Float application: 6.8 - 6.9 V
- Cycle application: 7.2 - 7.4 V
- 67.3 lbs; 10.24" x 7.09" x 9.72"

INVERTER REMOTES

Controls an inverter with the touch of a button.



INVERTER REMOTES	USE WITH
GP-HD-R	GP-800HD, 1000HD, 1750HD, 3000HD, 5000HD
GP-SWR-A	GP-ISW700, 1000, 1500, 2000, 3000
GP-ISW-R	GP-ISW700, 1000, 1500, 2000, 3000

INVERTER FUSES & FUSE BLOCKS

Safeguard equipment with ultra-durable Class-T, DC rated fuses.



FUSES & BLOCKS	AMPS
FBL-400	400
FBL-300	300
FBL-200	200
FBL-110	110

REPLACEMENT FUSES

FUSE	AMPS
F-400	400
F-300	300
F-200	200
F-110	110

INVERTER FUSES & CABLE KITS

Installation kits include everything to connect your inverter to your batteries: 10' heavy gauge battery cables, tie downs, appropriate inverter fuse, and fuse block. Fits most inverters.



INVERTER FUSE & CABLE KITS	USE WITH
GP-DC-KIT5	2600-3000 watt inverters
GP-DC-KIT4	2000-2500 watt inverters
GP-DC-KIT3	1100-1800 watt inverters
GP-DC-KIT2	600-1000 watt inverters

TRANSFER SWITCHES

The ideal solution to prevent AC back-feed when integrating an inverter directly into the AC electrical system or generator.



TRANSFER SWITCH	AMPS
GP-TS (pre-wired)	30
TS-50	50
TS-30	30

SMART CONVERTER/CHARGERS

Compact and powerful, Go Power! smart converter/chargers offer fast, accurate charging. Designed for 1-bank battery systems. Built-in, 4-stage smart charger helps your batteries last longer. **2-year warranty.**



CONVERTER/CHARGER	AMPS
GPC-100-MAX	100
GPC-75-MAX	75
GPC-55-MAX	55
GPC-45-MAX	45
GPC-35-MAX	35
GPSC-12-10A	10

RECOMMENDED KITS

Every RV (and Rver) is unique. Use the chart below to find out what solar and inverter kits will work best for an average RV in each class. Visit our website and use our calculator at gpelectric.com/calculator to design a custom Go Power! solution for your needs.

	CLASS A (GAS OR DIESEL)		FIFTH WHEEL / TOYHAULER		CLASS C	
						
	1-3 DAYS AWAY	7+ DAYS AWAY	1-3 DAYS AWAY	7+ DAYS AWAY	1-3 DAYS AWAY	7+ DAYS AWAY
SOLAR	300+ watts	600+ watts	300+ watts	600+ watts	150+ watts	300+ watts
INVERTER	2000/3000 watt pure sine	2000/3000 watt pure sine	2000/3000 watt pure sine	2000/3000 watt pure sine	1500/2000 watt pure sine	1500/2000 watt pure sine
BATTERIES	 x2 to 4	 x4 to 6	 x2 to 4	 x4 to 6	 x2 to 4	 x4 to 6
TRY	Overlander + Expansion kit	Solar AE 4 or Solar AE-6	Overlander + Expansion kit	Solar AE 4 or Solar AE-6	Overlander Kit	Overlander + Expansion kit

	CLASS B		TRAVEL TRAILER		POP-UP OR TRUCK CAMPER	
						
	1-3 DAYS AWAY	7+ DAYS AWAY	1-3 DAYS AWAY	7+ DAYS AWAY	1-3 DAYS AWAY	7+ DAYS AWAY
SOLAR	100 watts	300+ watts	150+ watts	300+ watts	100+ watts	200+ watts
INVERTER	2000 watt pure sine	2000 watt pure sine	2000 watt pure sine	2000 watt pure sine	2000 watt pure sine	2000 watt pure sine
BATTERIES	 x2	 x2 to 4	 x2 to 4	 x2 to 4	 x1	 x2 to 4
TRY	Retreat or Flex-100 kit	Retreat + 2x Retreat-E or Flex-200 kit + Flex-100E	Overlander Kit	Overlander + 1x Expansion kits	Retreat or Flex-100 Kit	Retreat +1 Expansion or Flex-100 kit + 1 Expansion

To learn more about solar systems, visit our website at gpelectric.com/education.

SOLAR SIZING CALCULATOR

How much power do you need? Consider how many days you'll be off the grid and how much power you'll use. Keep costs down by sizing for just what you need. Most Go Power! solar kits and systems are easily expandable as your power needs grow.

Step 1: Fill in the quantity of items and number of hours each appliance runs per day.

12V, DC Appliances	Amps	X Qty.	X Hours Run Per Day	= Total Amp Hours
10 Watt Light	0.08			
15 Watt Light	1.25			
Water Pump	4			
12 Volt TV	3			
SC Fan*	4			
Furnace Fan*	8			
12 Volt Stereo	0.8			
Refrigerator	0.4			
Propane Alarm	0.21	1	24	
Other				

*Fan and furnace are not typically run at the same time.

120V, AC Appliances*				
AC Fridge**	10			
TV	4			
VCR	3			
Satellite Dish	4			
Microwave	100			
Toaster	66			
Coffee Maker	60			
Blender	12			
Computer	25			
Laptop Computer	5			
Other				

*All amperage ratings are based on 12 voltage system.

**Fridge amps based on a 4.4 cubic foot fridge, running 12-hours/day.

Total amp hours per day

Step 2: Total Weekly Amps Calculation

Multiply total amp hours per day from Step 1 by the number of days of use per week (i.e.: weekend camping: multiply total amp hours x 2 days).

Amps Per Day:	
X	
# of Days of Use Per Week:	
=	
Amp Hours Per Week	

*When sizing your battery bank

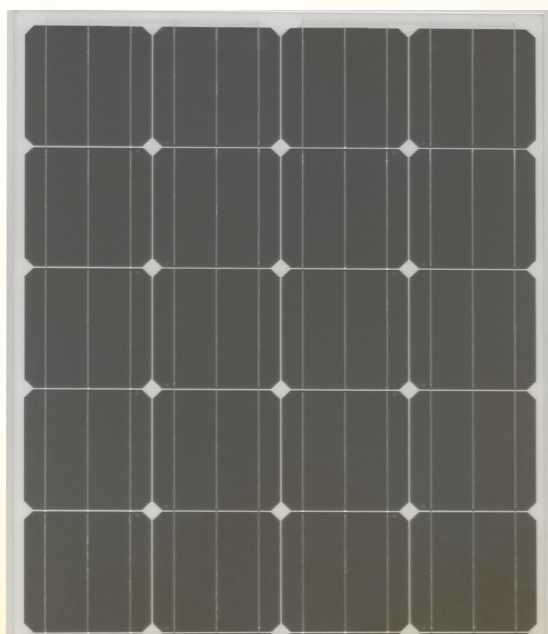
Step 3: Solar Power Output

Match your power draw from Step 2 to the product listed below:

Amp Hours Per Week	Recommended Solar Kit (DC only)	Suggested # of 12V Batteries
24	10W Eco Kit	1
48	20W Eco Kit	1
71	30W Solar Flex Kit	1
120	50W Solar Flex Kit	1
185	80W Portable Solar Kit	2
192	80W Eco Kit	2
228	100W Retreat Kit	2
236	100W Solar Flex Kit	2
281	120W Portable Solar Kit	2
371	170W Overlander Kit	2
472	200W Solar Flex Kit	4
742	340W Overlander Kit + Overlander Expansion Kit	4
1155	500W Solar Flex Kit	4
1113	510W Overlander Kit + 2x Overlander Expansion Kits	4-6
1112	680W Solar All-Electric Kit	4-6
2268	1020W Solar All-Electric Kit	4-8
Recommended Complete Systems (DC and AC)		
371	170W Weekender System	2
742	340W Solar Elite System	4
1113	510W Solar Extreme System	4-6

MOST POPULAR KIT

Amp hours based on 6 hours of usable light per day.



IS YOUR RV PRE-WIRED FOR SOLAR?

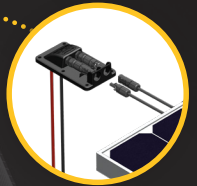
SOME RV'S COME PRE-WIRED
DIRECT FROM THE MANUFACTURER

WIRED FOR SOLAR

Rooftop solar made simple with pre-wiring done by OEMs. Make adding solar faster for RV customers by using the industry standard MC4 locking connectors attached to the rooftop cable entry plate.

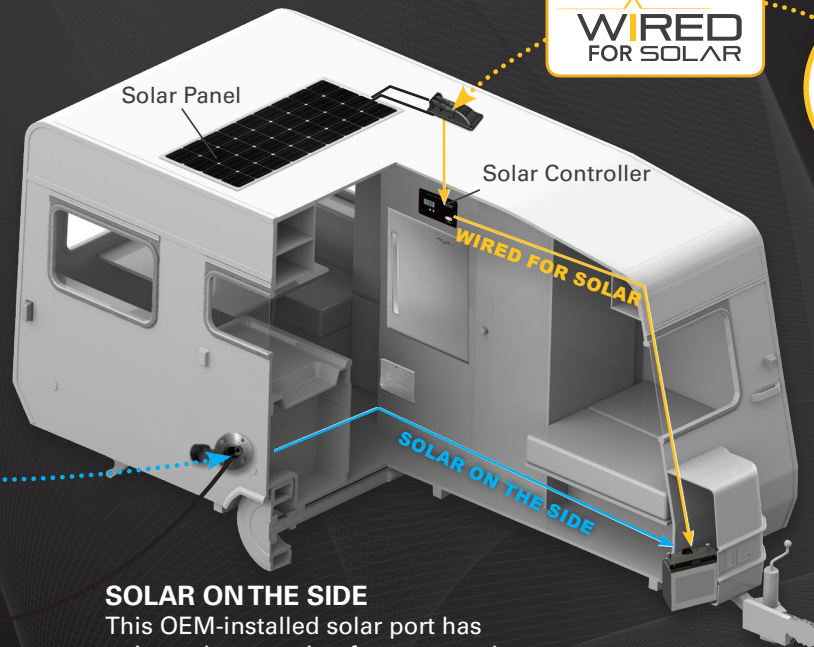
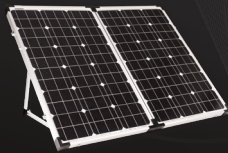
Compatible with pre-wired RVs

**WIRED
FOR SOLAR**



Compatible with pre-wired RVs

**SOLAR
ON THE
SIDE™**



SOLAR ON THE SIDE

This OEM-installed solar port has universal connection for our popular Portable Solar Kits—easy plug-and-play connectivity right out of the box.



**OVERLANDER
SOLAR KIT**



**SOLAR
FLEX**



**PORTABLE
SOLAR KITS**

**LEADERS
IN MOBILE POWER
SOLUTIONS FOR**

**22
YEARS**

Go Power!®

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