

# MOBILE SOLAR AND INVERTER SOLUTIONS

## PRODUCT SELLING GUIDE



Scan here for an  
electronic version  
of this guide.

1.866.247.6527  
**[gopowersolar.com](http://gopowersolar.com)**





# SINCE 1996

## SOLAR | INVERTERS | CHARGERS | BATTERIES

After 25+ years in the mobile power business, we know how to build high-performance products. With over a million solar panels sold to customers across North America, Go Power! products have a proven record of quality and reliability in harsh environments.

Our solar panels, power inverters, and battery systems work together to bring electricity wherever grid power is unavailable or unsustainable. By pairing high-quality components and unparalleled customer service, Go Power! offers reliability in unpredictable conditions. When you need portable, renewable electricity, you can count on Go Power!

## RV MANUFACTURERS WE WORK WITH



...and many more!

**1 IN 3**  
RV's now  
Pre-wired for  
Go Power!  
Solar

## TABLE OF CONTENTS

Eclipse Kits	3	Advanced Lithium Battery	10
Starter Kits & SolarFlex™	4-5	Battery Manager	10
Eco Kits	4	Batteries	11
Large, Multi-Panel Solar Kits	5	Inverter Charger	11
Portable Solar Kits/Power Stations	6	Inverters	12
Complete Systems	7	Power Accessories	13
Solar Controllers	7-9	Solar Worksheets	14-16

# ECLIPSE

## RV-C COMPATIBLE MPPT SOLAR SERIES

Charge batteries faster and maximize your solar charging performance with the new ECLIPSE MPPT SOLAR SERIES. Choose from either a rigid 200-watt or 190-watt Solar Flex panel. Kits are expandable up to 3000-watts of solar with stackable controllers\*.

Supercharge your solar array to 98% conversion efficiency with MPPT charging. Ideal for series configurations. Bluetooth® enabled remote\* allows you to view and change essential battery stats from your handheld device.

\*See our Solar Controllers on pages 7-9 for more information



### Features:

**RV-C** Compatible

Bluetooth®



Lithium  
compatible  
Controller

RIGID NOW  
200W

Compatible with  
**WIRED  
FOR SOLAR™**  
Pre-wired for Solar RVs

## Choose from 2 PANEL OPTIONS:

### RIGID 200 WATT MPPT KIT

- Rigid black-framed 200 watt, 9.6 amp solar module
- Panel dimensions: 59.1 x 26.3 x 1.57 in
- 25-year power output panel warranty

### FLEX 190 WATT MPPT KIT

- Black SolarFlex™ 190 watt, 9.45 amp solar module with ETFE top-sheet
- Panel dimensions: 55.98 x 27.2 x 0.1 in
- 5-year power output panel warranty

### ECLIPSE SOLAR KITS INCLUDE:

- 30 amp, stackable, MPPT, RV-C compatible solar controller
- Bluetooth® enabled remote
- Includes 25' solar cables and mounting hardware

SOLAR KITS	AMPS	WATTS	CONTROLLER	PANEL DIMS	PANEL WEIGHT
GP-ECLIPSE-200	9.6	200	30 AMP	59.1 x 26.3 x 1.6 in	26.4 lb (12 kg)
GP-ECLIPSE-200-E	9.6	200	N/A	59.1 x 26.3 x 1.6 in	26.4 lb (12 kg)
GP-ECLIPSE-FLEX-190	9.45	190	30 AMP	55.9 x 27.2 x 0.1 in	8.3lb (3.76 kg)
GP-ECLIPSE-FLEX-190-E	9.45	190	N/A	55.9 x 27.2 x 0.1 in	8.3lb (3.76 kg)

WANT TO LEARN MORE? HEAD TO [GOPOWERSOLAR.COM](http://GOPOWERSOLAR.COM) FOR MORE DETAILED INFORMATION.

# STARTER SOLAR KITS

NOW  
200W

Generate DC power to keep batteries fully charged, and to run lights, fans, and water pumps.

## OVERLANDER | 200 WATT

**MOST**  
POPULAR KIT

- Fast battery charging with our largest, most popular single-panel kit.
- 200 watt, 9.6 amp solar module
- Panel dimensions: 59.1 x 26.3 x 1.57 in

## RETREAT | 100 WATT

- Ideal for smaller units with limited roof space
- 100 watt, 5.4 amp solar module
- Panel dimensions: 47.09 x 21.46 x 1.30 in

## SLIM SOLAR KIT | 100 WATT

- Ideal for sprinter vans, (Class B), and units with limited roof space
- Slim 100 watt, 4.7 amp solar module
- Panel dimensions: 60.24 x 13.98 x 1.58 in
- Available in Black and Silver Aluminum frames



NEW

**Bluetooth®**



Compatible with  
**WIRED FOR SOLAR®**  
Pre-wired for Solar RVs

\*SLIM available in Black and Silver aluminum frames

### Included in FULL kits

- Easy-to-install 30 amp, Bluetooth® ready, UL rated, PWM digital controller
- 2x 25' solar cables, (1 red, 1 black); cULus approved
- Mounting hardware
- cCSAus rated solar modules
- 25-year power output panel warranty

SOLAR KITS	AMPS	WATTS	CONTROLLER	PANEL DIMS	PANEL WEIGHT
OVERLANDER	9.6	200	30AMP	59.1 x 26.3 x 1.57 in	26.4 lb (12 kg)
OVERLANDER-E	9.6	200	N/A	59.1 x 26.3 x 1.57 in	26.4 lb (12 kg)
RETREAT	5.4	100	30AMP	47.09 x 21.46 x 1.30 in	17.6 lb (8kg)
RETREAT-E	5.4	100	N/A	47.09 x 21.46 x 1.30 in	17.6 lb (8kg)
SLIM-100	4.7	100	30AMP	60.24 x 13.98 x 1.58 in	14.3 lb (6.4 kg)
SLIM-100-BLK	4.7	100	30AMP	60.24 x 13.98 x 1.58 in	14.3 lb (6.4 kg)
SLIM-100-E	4.7	100	N/A	60.24 x 13.98 x 1.58 in	14.3 lb (6.4 kg)
SLIM-100-E-BLK	4.7	100	N/A	60.24 x 13.98 x 1.58 in	14.3 lb (6.4 kg)

## 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. 10-watt kits includes 25' of cable and an mounting hardware.



ECO-80

ECO SERIES KIT	AMPS	WATTS	CONTROLLER	DIMS
GP-ECO-80	4.6	80	10 amp	30.71 x 26.46 x 1.38 in
GP-ECO-20	1.3	20	10 amp	13.58 x 18.50 x 0.98 in
GP-ECO-10	0.7	10	NA	13.19 x 9.25 x 0.98 in

## SOLAR FLEX KITS

Compatible with  
**WIRED FOR SOLAR®**  
Pre-wired for Solar RVs



FLEX-110

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. 30A Bluetooth® controller available in the 110W+ kits only.

SB-PWM-30-BT

SOLAR FLEX	AMPS	WATTS	CONTROLLER	DIMS
GP-FLEX-110	5.6	110	30 amp	44.6 x 21.4 x 0.1 in
GP-FLEX-55	2.8	55	10 amp	42.1 x 11.3 x 0.1 in
GP-FLEX-35	1.7	35	10 amp	24.4 x 14.96 x 0.1 in
GP-FLEX-110E*	5.6	110	N/A	44.6 x 21.4 x 0.1 in
GP-FLEX-55E*	2.8	55	N/A	42.1 x 11.3 x 0.1 in

\*Expansion kits

WANT TO LEARN MORE? HEAD TO [GOPOWERSOLAR.COM](http://GOPOWERSOLAR.COM) FOR MORE DETAILED INFORMATION.

# LARGE SOLAR KITS

Our largest solar kits. Perfect for full time RVing. The solar all-electric kits are great for systems with large power demands. These kits are easy to install, and include a solar controller, solar connector (SC) cables, and all mounting hardware.



NOW  
1200W

MAXIMUM  
POWER POINT  
TRACKING



**RV-C**  
Compatible



## All-Electric Kits

**SOLAR AE-6**  
1200W/57.6A

Suggested Battery Bank:



**SOLAR AE-4**  
800W/38.4A

Suggested Battery Bank:



- Our largest rigid-panel kits
- 30-amp MPPT solar controllers (with Bluetooth® remote)
- GP-CEP-25, 25' solar cables, 1 red and 1 black
- Mounting hardware

ALL ELECTRIC KIT	PANELS	WATTS	AMPS	CONTROLLER
SOLAR AE-6	6	1200	57.6	30-amp MPPT (x3)
SOLAR AE-4	4	800	38.4	30-amp MPPT (x2)

Pair with our Inverter Charger and Lithium Battery to power your AC loads. (Sold separately)



## SOLAR FLEX™

These kits with flexible solar modules provide lightweight power and installation versatility.

### FLEX-550 KIT

- 550 watts, 28 amps of solar power (5x 110-watt solar panels)
- 60-amp MPPT solar controller with Bluetooth® dongle and remote
- GP-CEP-25, 25' solar cables, 1 red and 1 black
- 80 Amp DC Breaker
- Mounting hardware

### FLEX-220 KIT

- 220 watts, 11.2 amps of solar power (2x 110-watt panels)
- 30 amp PWM Bluetooth® solar controller
- Solar cables, 1 red and 1 black
- Mounting hardware



FLEX-220



FLEX-550



SOLAR FLEX	PANELS	WATTS	AMPS	CONTROLLER
GP-FLEX-550	5	550	28	60-amp MPPT w/ Bluetooth®
GP-FLEX-220	2	220	11.2	30 amp w/ Bluetooth®

WANT TO LEARN MORE? HEAD TO [GOPOWERSOLAR.COM](http://GOPOWERSOLAR.COM) FOR MORE DETAILED INFORMATION.

# PORTABLE SOLAR & POWER SOLUTIONS

## DURALITE PORTABLE SOLAR KITS

Expandable up to 300-watts!

Lithium compatible Controller

60% Lighter!

Complete DURALITE KITS include



Lightweight and easy to use, these portable solar kits are perfect for powering weekend getaways. DuraLite panels feature integrated kickstands, rigid plastic handles with built-in USB charging ports, and convenient magnetic closures. Starter kits come with all you'll need to charge your batteries, including a 30-amp charge controller, cables, and an array of connection options.

KITS	AMPS	WATTS	CONTROLLER	DIMENSIONS (OPEN)	DIMENSIONS (CLOSED)	WEIGHT
GP-DURALITE-100	4.55	100	30 amp	21.1 x 47.6 x 1 in	21.1 x 23.8 x 1.8 in	8.4 lbs
GP-DURALITE-100-E	4.55	100	Not Included	21.1 x 47.6 x 1 in	21.1 x 23.8 x 1.8 in	8.4 lbs

## PORTABLE POWER SOLUTIONS

### DURACUBE

PORTABLE POWER STATION • 500-WATT HOUR SOLAR GENERATOR



Front View

Side View

#### FEATURES

- 2x AC 110v Outlets
- 4x USB Ports
- 1x USB Type C Port
- 12v DC Power Port
- 2x DC 12v Ports
- Solar Charging Input
- AC Charging Input

Compact, portable power. 500 watt-hour Lithium (LiFePO4) battery pack + 500-watt pure sine wave inverter. Powers TV's, fans, mobile fridges, or laptops, and charges handheld devices. Features internal solar controller allows up to 120-watts of solar. Pairs perfectly with a DuraLite Expansion kit (GP-DURALITE-E).

GP-DURACUBE-500 Weight: 18.4lbs. Dims: 9.84 x 7.48 x 7.48 in.

### DURAPACK

SOLAR BATTERY PACK 8 WATT SOLAR • 10,000MAH BATTERY



Open/Flat

Closed/Folded

Capable of charging cell phones up to 3 times per charge. Equipped with 2x USB ports, 8-watts of folding solar panels, LED status lights, and an integrated flashlight. Purchased and shipped in retail ready flat-packs of 10 units.

GP-DURAPACK-8W Weight: .88lbs. Closed Dims: 2.0 x 6.1 x 1 in

## PORTABLE SOLAR KITS

## ALUMINUM FRAMED PORTABLE SOLAR KITS (90, 130 and 200 watts)

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



Lithium compatible Controller



PORTABLE SOLAR KIT	AMPS	WATTS	CONTROLLER	DIMS (OPEN)	DIMS (CLOSED)	WEIGHT
GP-PSK-200	11.4	200	30 amp	40.0 x 53.9 x 3.4 in	40.0 x 27.2 x 3.4 in	51 lbs
GP-PSK-130	6.9	130	10 amp	32.48 x 39.76 x 1.38 in	32.48 x 19.88 x 2.76 in	33 lbs
GP-PSK-90	4.7	90	10 amp	21.65 x 39.76 x 1.18 in	21.65 x 19.88 x 2.36 in	19.8 lbs

#### ACCESSORIES (SOLD SEPARATELY)

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

WANT TO LEARN MORE? HEAD TO [GOPOWERSOLAR.COM](http://GOPOWERSOLAR.COM) FOR MORE DETAILED INFORMATION.

# COMPLETE SOLAR SYSTEMS

NEW



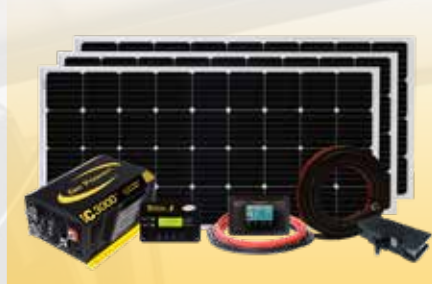
INCLUDES Bluetooth® CONTROLLER

Get the freedom to use your AC and DC appliances anywhere with Go Power! complete solar and inverter kits. All kits include upgraded 200W panels, NEW 30-amp PWM solar controller, which is Lithium compatible and features Bluetooth® Wireless Technology, as well as an inverter remote and install kit.

## SOLAR EXTREME

## SOLAR ELITE

## WEEKENDER ISW



WATT	AMP
600 (3x 200W)	28.8
INVERTER CHARGER	

3000 watt pure sine wave inverter charger (with built-in 125 amp battery charger and 50 amp transfer switch)



WATT	AMP
400 (2x 200W)	19.2
INVERTER CHARGER	

2000 watt pure sine wave inverter charger (with built-in 100 amp battery charger and 50 amp transfer switch)



WATT	AMP
200	9.6
INVERTER / TRANSFER SWITCH	

1500 watt industrial pure sine wave inverter and prewired 30 amp transfer switch



# SOLAR CONTROLLERS

## PWM SOLAR CONTROLLERS

### 10 & 30 AMP SINGLE-BANK SOLAR CONTROLLERS



View your solar charge status remotely with the Go Power! Connect app.



Pulse width modulated (PWM) solar charging. Prevent battery overcharging with the new 12 volt flush-mounted, single-bank solar charge controllers rated for up to 10 and 30-amps. Included in most solar kits and complete systems. 5-year warranty.

- ✓ Back lit LCD screen displays charging current, battery voltage and battery state of charge
- ✓ Improved enclosure and button functions
- ✓ Enhanced Bluetooth® performance on 30A model
- ✓ Suitable for 12V solar systems
- ✓ 4-stage charging
- ✓ Easy to install, easy to operate
- ✓ Front screw cover bevel

**INCLUDED IN THE FOLLOWING KITS:**  
ECO • OVERLANDER • RETREAT • SLIM • FLEX • WEEKENDER ISW • SOLAR ELITE • SOLAR EXTREME



Available on the 30A Solar Controller



Lithium compatible Controller



NEW

CONTROLLER	BLUETOOTH
GP-SB-PWM-30-BT	YES
GP-SB-PWM-10	NO

WANT TO LEARN MORE? HEAD TO [GOPOWERSOLAR.COM](http://GOPOWERSOLAR.COM) FOR MORE DETAILED INFORMATION.

# SOLAR CONTROLLERS

## MPPT SOLAR CONTROLLERS

### 30 AMP MPPT RV-C COMPATIBLE SOLAR CONTROLLER

MPPT solar controllers optimize an RV's solar charging in all sun and tilt conditions. Easy to install on their own and compatible with all RV-C multiplexing systems, these MPPT solar controllers offer superior flexibility for any RV installation. **5-Year Warranty.**

- Stack up to 5 controllers, for a maximum of 3000w of solar or 150A
- Easily integrated with on-board communications systems
- Wire in series up to 100V
- Dual battery charging
- Supports multiple battery chemistries
- Reacts faster to changes in solar conditions
- Up to 98% power conversion efficiency



#### OPTIONAL BLUETOOTH® REMOTE

Conveniently set and view essential charge information remotely with the GP-RVC-R. The LCD screen shows battery charge current and voltage.

MPPT RV-C	
GP-RVC-MPPT-30	30A
GP-RVC-R	Bluetooth®-enabled

ACCESSORY	CABLE
GP-RVC-PC	GP-RVC-PC: PARALLEL CABLE FOR 2x GP-RVC-30-MPPT CONTROLLER
GP-RVC-PC-E	GP-RVC-PC-E: PARALLEL CABLE FOR +2x GP-RVC-30-MPPT CONTROLLER



GP-RVC-MPPT-30

\*Actual product may vary.

**RV-C**

**MAXIMUM  
POWER POINT  
TRACKING**

**Bluetooth®**

Look for these controllers intalled on select RVs. For technical support and troubleshooting, contact the Go Power! team.



### BLUETOOTH® ENABLED MPPT SOLAR CONTROLLER

The GP-MPPT-PRO-60 optimizes solar charging in all sun and tilt conditions while allowing the system to be wired in series for easier installation. Featuring 4 built-in charging profiles, the MPPT-PRO-60 also maximizes solar charging in all weather conditions. Increase convenience with either a remote display or a Bluetooth® dongle.



#### BLUETOOTH® DONGLE (OPTIONAL) **Bluetooth®**

The Bluetooth® Dongle, GP-MPPT-PRO-BT-1, is compatible with Go Power!'s Bluetooth® ready PRO Series solar controller and integrates seamlessly with the Go Power! Connect mobile app giving you the ability to wirelessly monitor and configure your controller.



#### REMOTE (OPTIONAL)

This surface mounted remote display (GP-MPPT-40/60-R) shows the charge current to the battery, battery voltage, and battery state of charge (SOC). 2-year warranty.



View your solar charge status remotely with the Go Power! Connect app.



#### MPPT-PRO SERIES

GP-MPPT-PRO-60	60 Amp Solar Controller
GP-MPPT-PRO-BT-1	Bluetooth® Dongle
GP-MPPT-PRO-R	Remote

# SOLAR CONTROLLERS

## 30 AMP DUAL-BANK PWM BLUETOOTH® SOLAR CONTROLLER

Regulates and prevents the solar panel from overcharging batteries. Pulse width modulated (PWM) charging, 4 battery charging profiles, improved 4-stage charging, and Maximum Power Boost™, for topping up batteries at the end of daylight.

- ✓ Easy to read backlit digital display
- ✓ Lithium compatible
- ✓ Dual bank battery charging
- ✓ Bluetooth® enabled
- ✓ UL listed
- ✓ Inverter on/off control
- ✓ Heavy-duty terminals
- ✓ Built-in USB charge port
- ✓ 5-year warranty



GP-PWM-30-UL



View your solar charge status remotely with the Go Power! Connect app.

GET IT ON Google Play

GET IT ON THE App Store

## 10 & 30 AMP PWM SQ SOLAR CONTROLLERS

The GP-PWM-10-SQ and GP-PWM-30-SQ are 12 volt recess-mounted photovoltaic (PV) charge controllers rated for a continuous solar current input of 10 and 30 amps, respectively.

- ✓ Temperature compensated pulse width modulation (PWM) charging
- ✓ 4 Battery charging profiles: Sealed/Gel, AGM, Flooded, LiFePO4 (lithium)
- ✓ Easy to read backlit digital display
- ✓ 2 year warranty

Not available for resale. Look for these controllers intalled on select RVs. For technical support and troubleshooting, contact the Go Power! team.



GP-PWM-30-SQ



GP-PWM-10-SQ

# SOLAR READY BATTERIES

## SUN CYCLE™ ADVANCED LITHIUM BATTERY

# NEW

The NEW Sun Cycle® Advanced 12V 100Ah Lithium Battery adds enhanced safety and communication features to our flagship lithium battery line. This lightweight, Bluetooth®-enabled LiFePo4 battery has an advanced BMS, temperature management system, a built-in DC heater, and auto-cell balancing for larger battery banks. Can be wired in series or parallel. ETL listed to UL specifications and CE/UKCA certified.



GP-ADV-LIFEPO4-100

- ✓ Bluetooth®-enabled, smart features and RV-C compatibility
- ✓ Use with Go Power! solar controllers and NEW battery manager for optimal solar charging
- ✓ Built in mounting options
- ✓ 28lbs with built-in carrying handles
- ✓ 10.9 in x 7.4 in x 8.6 in
- ✓ 10-year warranty
- ✓ Built-in DC heater
- ✓ IP68 waterproof (should not be submerged)
- ✓ Improved Battery Management System (BMS) protects against:
  - Over and under voltage
  - Over and under temperature
  - Charge and discharge over current
  - Short circuit

**300AH**  
Coming Soon!



Bluetooth®

RV-C Compatible



Intertek  
5019996

Conforms to  
UL STD 2054

UK  
CA



UN38.3

## BATTERY MANAGER



GP-BMG

# NEW

Easy to read, easy to operate colour touch screen with integrated Bluetooth®. Features over-the-air firmware updates for continued product support and improvements. Battery monitor function uses precision current measurement and real-time tracking to show essential battery stats, including:

- ✓ Energy in and energy out
- ✓ Amperage in amperage out
- ✓ Battery capacity remaining
- ✓ Time before battery is charged
- ✓ Custom battery support

Additional features include:

- ✓ Portrait or landscape orientation
- ✓ Includes a 500A max shunt
- ✓ Built-in light sensor for automatic dimming throughout the day



View your power system's information remotely with the Go Power! Connect app.



## LITHIUM & AGM

# SUN CYCLE™ LITHIUM BATTERY



Fast-charging, lightweight solar energy storage. Reliable, high efficiency, maintenance-free power. Battery Management System with built-in safety features. ETL listed to UL standards- 10-year warranty.



GP-LIFEPO4-250

- 12V, 250AH @ C50
- 80 lbs (36.3 kg)
- 20.5 in x 9.5 in x 8.8 in



GP-LIFEPO4-100

- 12V, 92AH @ C100 | 100AH @ C20
- 36 lbs (16.3 kg)
- 12.9 in x 7 in x 9.2 in

BATTERY	VOLTAGE	CAPACITY	WEIGHT	DIMENSIONS
GP-LIFEPO4-100	12V	100AH @C20	36 lbs	12.9X7X9.2in
GP-LIFEPO4-250	12V	250AH @C50	80 lbs	20.5X9.5X8.8in

# SUN CYCL E™ AGM SOLAR BATTERIES



Available in 6V and 12V. Specifically designed for solar, the AGM deep-cycle batteries offer maintenance-free, sealed construction and integrated carrying handles. UL listed - 2-year warranty.



GP-AGM-224-6V

- 6V, 224AH @ C20
- 67.3 lbs (30.5 kg)
- 10.24 in x 7.09 in x 9.72 in



GP-AGM-100-12V

- 12V, 110AH @ C100
- 100AH @ C20
- 67.5 lbs (30.6 kg)
- 12.01 in x 6.61 in x 8.15 in

BATTERY	VOLTAGE	CAPACITY	WEIGHT	DIMENSIONS
GP-AGM-100-12V	12V	100AH @C20	67.5 lbs	12X6.6X8.1in
GP-AGM-224-6V	6V	224AH @C50	67.3 lbs	10.2X7.1X9.7in

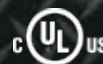
# IC Series™ INVERTER/CHARGER CUT INSTALL TIME IN HALF WITH AN INVERTER/CHARGER

A 3-in-1 system combining an inverter, battery charger, and automatic transfer switch to save space and simplify installation. IC Series Inverter Charger Kits are available in 2000 and 3000 watt models, and come with the ICR-50 Remote, 50' of cable, and a 3-year warranty.

Included in Solar Elite & Solar Extreme complete systems



Remote Included!



UL 458 and 1741



CSA 22.2 #107.1



Part 15, Class B

IC SERIES PACKAGE	WATTS	BATTERY CHARGER	REMOTE	TRANSFER SWITCH	WEIGHT
GP-IC-3000-12-PKG	3000	125 AMPS	Included	2X 50 amps	51.9 lbs
GP-IC-2000-12-PKG	2000	100 AMPS	Included	2X 50 amps	38.7 lbs

WANT TO LEARN MORE? HEAD TO [GOPOWERSOLAR.COM](http://GOPOWERSOLAR.COM) FOR MORE DETAILED INFORMATION.

# POWER INVERTERS

**SIZE YOUR INVERTER  
NEEDS WITH OUR NEW  
INVERTER CALCULATOR**


[gopowersolar.com/inverter-calculator](http://gopowersolar.com/inverter-calculator)

## **INDUSTRIAL** PURE SINE WAVE INVERTERS

Premium mobile power in a sleek, lightweight profile. Bring reliable power on the road with Go Power! Industrial Pure Sine Wave Inverters, available in 200-3000 watts. Provide peace of mind when powering electronics with a **2-year warranty**. All models also available in 24v.



 on select inverters

PURE SINE WAVE INVERTERS	WATTS	SURGE (3ms)	OUTLETS	INVERTER CABLE KIT	REMOTES		WEIGHT & DIMS
GP-ISW3000-12	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-ISW2000-12	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-ISW1500-12	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-ISW1000-12	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-ISW700-12	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-ISW400-12	400	800	2 GFCI	USE GP-DC-KIT1	USE GP-SWR-A	✓	3.5 LBS 7.4" X 5.9" X 2.7"
GP-ISW200-12	200	250	2 GFCI	Adapter Included	USE GP-SWR-A	✗	3.5 LBS 7.4" X 5.9" X 2.7"

## **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 2X GP-DC-KIT-4	USE GP-HD-R	15.65 LBS 18.50" X 9.92" X 4.13"
GP-3000HD	3000	6000	4	USE GP-DC-KIT5	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	USE GP-DC-KIT1	N/A	1.54 LBS; 6.30" X 4.25" X 2.64"
GP-225HD	225	450	2	Adapter Included	N/A	1.01 LBS; 5.27" X 3.86" X 2.05"

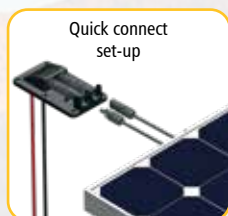
WANT TO LEARN MORE? HEAD TO [GOPOWERSOLAR.COM](http://GOPOWERSOLAR.COM) FOR MORE DETAILED INFORMATION.

# POWER ACCESSORIES

## Cable Entry Plate

Pair the Cable Entry Plate with a Go Power! Solar Kit to reduce unnecessarily exposed cables on the roof.

- Cuts down on panel installation time
- Protects cable connections
- Connects with industry standard solar cables (included in Go Power! kits)
- **5 year warranty**



Ask your Rep for available sizes.

## Smart Converter/Chargers

Compact and powerful, Go Power! smart converter/chargers offer fast, accurate charging. Designed for 1-bank battery systems. Built-in, 3-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



## Transfer Switches



GP-TS

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

**2-year warranty.**



TS-30

TS-50

TRANSFER SWITCH	AMPS
TS-50	50
GP-TS (PRE-WIRED)	30
TS-30	30

## Inverter Fuses & Cable Kits



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

INVERTER FUSE & CABLE KITS	WIRE	FUSE	USE WITH
GP-DC-KIT5	4/0	400 amp	2600-4000 Watt Inverters
GP-DC-KIT4	2/0	300 amp	2000-2500 Watt Inverters
GP-DC-KIT3	#2	200 amp	1100-1800 Watt Inverters
GP-DC-KIT2	#4	100 amp	600-1000 Watt Inverters
GP-DC-KIT1	#6	60 amp	100-500 Watt Inverters

## 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-ISW200, 400, 700, 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

# CHOOSING THE RIGHT SOLAR SOLUTION

## What kind of panel should I choose?

Fixed, or roof mounted solar panels are more durable and user-friendly than ever, but portable solar solutions offer flexibility among other benefits. So how do you determine which solar panel is right for you? The first step to finding your ideal solar solution is understanding how and where you camp:



**Weekend campers** or those who favor overnight trips can get away with a small portable solar setup.



**Full-time road warriors**, or those who regularly overnight in parking lots or rest areas often choose fixed solar solutions.



**Adventurous RVers** who prefer remote locations may opt for portable systems if power requirements aren't too extreme.



**'Power users'**, or RVers who want all the conveniences of home will need a robust rooftop solar installation. Or, a smaller rooftop system + portable panel to boost charging as needed.

Some other factors you'll need to consider are battery bank capacity, current and future power requirements and, of course, budget. Let's go through a few of the features and drawbacks of each type of solar kit.

## ROOFTOP

- **Mobile charging:** Roof-mounted solar panels charge batteries anytime it's light out — even while traveling.
- **Scalability:** Many RVs and trailers can accommodate 500 to 1,000+ watts of solar panels on their roof. Start with a single panel and add more as your power needs grow.
- **Safety:** Fixed rooftop panels are relatively safe. Portable panels can be dropped, knocked over, or even stolen if left unattended.

### Rigid

- **Built to last:** Backed by a 25-year power output warranty, rigid panels stand up to father time and mother nature.
- **Cost Per Watt:** Rigid solar panels generate more power per dollar than the solar options on the market.



### Flex

- **Low Profile:** SolarFlex™ panels can conform to your RV's rooftop, and are up to 80% lighter than rigid panels.
- **More Installation Options:** These panels can be securely mounted with either an adhesive or screws.

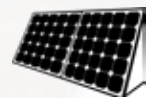


## PORTABLE

- **Flexibility:** Park in the shade then place the portable panel place in the sun when you want to start charging.
- **Easy to use:** No drilling holes, mounting panels on the roof, or running cables through the RV. Easy to move the panel from one RV to another.
- **Entry level:** RV owners can begin reaping the benefits of solar with a portable solar kit.

### Aluminum Kits

- **Longevity:** The strong frame paired with tempered glass means you don't have to worry about dings or scratches.
- **Maximum Power:** Aluminum portable kits house the best quality solar cells, which maximizes solar performance.


















### Lightweight Kits
















- **Truly portable:** These portable panels are sleek and lightweight, ideal for weight-conscious travellers.
- **Expandable:** Solar kits like the Go Power! DuraLite kit can be easily expanded as your power needs grow.

# SOLAR SIZING GUIDELINES

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](http://gpelectric.com/calculator) to find the best Go Power! solution for your needs.

Battery calculations below are based on 200 amps of battery power for every 190 watts of solar. Go Power! offers 100Ah and 224Ah AGM batteries as well as 100Ah and 250Ah Lithium batteries.

	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	400+ watts	800+ watts	400+ watts	800+ watts	200+ watts	400+ watts
INVERTER	2000/3000 watt pure sine	2000/3000 watt pure sine	2000/3000 watt pure sine	2000/3000 watt pure sine	2000 watt pure sine	2000 watt pure sine
AGM BATTERIES	 400Ah+	 600Ah+	 400Ah+	 600Ah+	 400Ah+	 600Ah+
LITHIUM	 200Ah+	 400Ah+	 200Ah+	 400Ah+	 200Ah+	 400Ah+
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	200+ watts	400+ 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
AGM BATTERIES	 200Ah+	 400Ah+	 200Ah+	 400Ah+	 100Ah+	 200Ah+
LITHIUM	 100Ah+	 200Ah+	 100Ah+	 200Ah+	 100Ah+	 200Ah+
TRY	Retreat or Flex-110 kit	Retreat + 2x Retreat-E or Flex-220 kit + Flex-110E	Overlander Kit	Overlander + 1x Expansion kits	Retreat or Flex-110 Kit	Retreat +1 Expansion or Flex-110 kit + 1 Expansion

To learn more about solar systems, visit our website at [gopowersolar.com/education](http://gopowersolar.com/education)

# SOLAR SIZING WORKSHEET



Scan here to use  
our online  
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
LED Light	0.08			
Incandescent Light	1.25			
Water Pump	4			
12 Volt TV	3			
SC Fan*	4			
Furnace Fan*	8			
12 Volt Stereo	0.8			
Refrigerator	3			
Propane Alarm	0.21	1	24	5.04
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 a 12 volt 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)	AGM Battery Bank	Lithium Battery Bank
29	10W Eco Kit	100Ah	100Ah
55	20W Eco Kit	100Ah	100Ah
71	35W Solar Flex Kit	100Ah	100Ah
117	55W Solar Flex Kit	100Ah	100Ah
197	80W Eco Kit	200Ah	100Ah
193	90W Portable Solar Kit	200Ah	100Ah
212	100W DuraLite Kit	200Ah	100Ah
228	100W Retreat Kit	200Ah	100Ah
236	100W Slim Kit	200Ah	100Ah
236	110W Solar Flex Kit	200Ah	100Ah
290	130W Portable Solar Kit	200Ah	100Ah
403	200W Overlander Kit	200Ah	100Ah
397	190W Eclipse Kit (FLEX)	200Ah	100Ah
403	200W Eclipse Kit (RIGID)	200Ah	100Ah
472	200W - 100W Duralite Kit + 100W Duralite Expansion Kit	200Ah	100Ah
472	200W - 100W Slim Kit + 100W Slim Expansion Kit	200Ah	100Ah
470	200W Portable Solar Kit	200Ah	100Ah
477	220W Solar Flex Kit	200Ah	100Ah
573	300W - 100W Duralite Kit + 2x 100W Duralite Expansion Kits	400Ah	200Ah
708	300W - 100W Slim Kit + 2x 100W Slim Expansion Kits	400Ah	200Ah
806	400W 200W Overlander Kit + 200W Overlander Expansion Kit	400Ah	250Ah
806	400W 200W Eclipse Kit + 200W Eclipse Expansion Kit	400Ah	250Ah
1192	550W Solar Flex Kit	400Ah	400Ah+
1209	600W - 200W Overlander Kit + 2x 200W Overlander Expansion Kits	400Ah	400Ah+
1190	570W - 190W Eclipse Kit (FLEX) + 2x 190W Eclipse Expansion Kits	400Ah	400Ah+
1209	600W - 200W Eclipse Kit (RIGID) + 2x 200W Eclipse Expansion Kits	400Ah	400Ah+
1612	800W Solar All-Electric Kit	800Ah+	800Ah+
2419	1200W Solar All-Electric Kit	1000Ah+	1000Ah+
Recommended Complete Systems (DC and AC)			
403	200W Weekender System	200Ah	100Ah
806	400W Solar Elite System	400Ah	250Ah
1209	600W Solar Extreme System	400Ah+	400Ah+
1612	800W Solar AE 4 & IC Series Inverter/Charger	800Ah+	800Ah+
2419	1200W Solar AE 6 & IC Series Inverter/Charger	1000Ah+	1000Ah+

**MOST  
POPULAR KIT**

Please note: Amp hours based on 6 hours of usable light per day.

In this example, AC amps are converted to DC by multiplying by 10. This isn't 100% accurate, but it allows you to make AC to DC calculations quickly.



sales@gopowersolar.com | 1.866.247.6527 | gopowersolar.com