

Section 8

Coach House[®]
PLATINUM

Optional Equipment

Optional Equipment

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Solar Battery Charger

The solar charger (5 Watt) will charge (trickle) the auxiliary batteries directly with the master 12 Volt switch in the on or off position. The optimum charging will be obtained in direct sunlight. There is a small red L.E.D. light on the left side of the entrance wall showing the operating condition of your solar charger. If the red light is on, the batteries are being charged. If the red light is off, the batteries are in a fully charged condition.



SOLAR 12 VOLT BATTERY TRICKLE CHARGER



User's Manual

Solar 12 Volt Battery Trickle Charger

Solar Power Panel

5 Watt/ 350 mA

Read this manual BEFORE and DURING the use of this product.

Specifications and Included Items:

Power Rating: Up to 5 Watts

Current: 350mAmps @ 15V

Includes: 12 Volt DC Plug, Alligator Battery Clamps, 9.5ft Wire, Solar Panel, 4 Stainless Steel Mounting Screws

Installation

Securely place the solar panel in the sun. Included mounting screws can be used if necessary for permanent installation.

Installation Through 12 Volt DC Plug:

Plug the 12VDC Plug into the 12 Volt DC socket in vehicle. Make sure both ends are secure and aligned correctly. For optimal power, ensure the panel (solar cell up) is directly facing the sun.

Installation to Battery by Alligator Clamps:

Connect the alligator clamps correctly by matching the red clamp which is Positive (+) to the Positive (+) terminal on your battery. Connect the black Clamp which is Negative (-) to the Negative (-) Terminal on your battery.

WARNING Follow this carefully to not cause any bodily harm. Wrong connections may cause sparking or explosion.

For optimal power, ensure the panel (solar cell up) is directly facing the sun.

NOTE:

This solar panel has a built in blocking diode to prevent reverse discharge. The use of this panel is not recommended while vehicle is in use. When operating your vehicle it is best to secure the solar panel in the glove box or under the seat.

FAQ

What type of batteries does this panel maintain?

All rechargeable 12V batteries like those used in Cars, Boats, RV's, Motorcycles and PWC's.

Can I use this solar panel outdoors?

Yes, this solar panel is weatherproof. The weatherproofing includes UV protection and protects from weather effects of -35°F to 175°F (-37°C to 79°C).

How long does it take to charge a battery?

This solar panel can generate 5 Watts of power per hour, which is equal to 350mA of current under ideal conditions. For example, under ideal conditions, the panel will generate 5 Watts x 7 hours x 7 days per week for a total of 245 Watts of power.

Do I need a Sunforce charge controller?

No, a solar battery charge controller is only needed for panels of 15 Watts or greater.

Can I extend the wire?

Without loss of power or voltage the 9.5' wire may be extended to a maximum length of 25' with 16 gauge wire. Ensure proper connections.

Can I start/drive my vehicle while the unit is connected to the battery?

No, for safety reasons please make sure the panel is not in use while you are using your vehicle.

How do I know if the panel is working?

To measure the voltage of the panel use a voltmeter. The voltage reading should be between 16 and 25 Volts in full sun.

TROUBLESHOOTING

Problem:

My panel is not functioning.

- Ensure battery is operational
- Ensure that the distance of the wires is not longer than 25' and all connections are secure.

Warranty

This product is covered by a five year limited warranty. Sunforce Products Inc warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of one year from date of purchase. Power output is warranted for five years from date of purchase.

To obtain warranty service please contact Sunforce Products for further instruction, at 1-888-478-6435 or email info@sunforceproducts.com. Proof of purchase including date, and an explanation of complaint is required for warranty service.

**For more information or technical support
Pour plus d'information ou support technique**

1-888-478-6435

www.sunforceproducts.com

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Fabriqué en Chine**



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Xantrex Pure Sine Wave Inverter

The 1800 Watt Xantrex Pure Sine Wave Inverter is recognized as industry leading in power source supply. It operates from the 12V auxiliary batteries and inverts 12V power DC to 120 AC power.

The inverter has a remote control located on the main control tower located behind the passenger seat. The remote control has operation and battery condition monitoring of DC volts. Detailed information on the inverter and the remote control are included in the Xantrex owner's manual.

***** The inverter shut-off is NOT automatic. The inverter may be ON which will result in runing down the auxiliary batteries. *****



PROsine™ 1000/1800 Sine Wave Inverters

xantrex™



Provides 1000 and 1800 watts of sine wave AC power from a DC source

Offering superior quality true sine wave output, the PROsine™ 1000 and 1800 stand-alone inverters are ideally suited for electrical systems that already have a quality multistage battery charger. Designed for recreational and industrial applications, their 120-volt, 60 Hz AC power output is capable of handling both heavy duty and smaller, multiple AC loads. PROsine inverters include a backlit LCD display panel, which can be mounted remotely.

Product Features

- ▶ 1000 and 1800 watt inverters (1500 and 2900 watt surge capability)
- ▶ True sine wave AC output (crystal controlled)
- ▶ Removable LCD display can be mounted remotely for control and monitoring
- ▶ Unique DC terminals offer 180-degree connections for easy installation in tight places
- ▶ Powersave mode draws only 1.5 watts under no load
- ▶ Two year warranty

Protection Features

- ▶ Over temperature shutdown and automatic overload protection
- ▶ Over voltage and under voltage protection
- ▶ Short circuit and AC backfeed protection

Options

- ▶ Available in 12 and 24 volt models
- ▶ Models available with GFCI AC outlet or AC hardwire terminal strip for permanent installation into an electrical system (optional 15 A transfer switch available with hardwire option)
- ▶ Remote interface kit for remote mounting of display module

Ultra-clean true sine wave power

- ▶ With less than 3% total harmonic distortion, PROsine 1000 and 1800 inverters deliver true sine wave output that is identical to AC power supplied by your utility. This clean output makes PROsine inverters ideal for handling sensitive loads and improves AC equipment performance. Expect trouble-free true sine wave electricity for televisions, audio systems, variable speed tools, and more.

Light and compact

- ▶ PROsine inverters are lighter and more compact than other inverters with similar power ratings because they use high-frequency switching technology in the power conversion process.



CSA/NRTL certified to UL & CSA standards

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PROsine 1000 Watt and 1800 Watt Sine Wave Inverters

Electrical Specifications		
Models	PROsine 1000	PROsine 1800
Output power	1000 W	1800 W
Surge rating	1500 W	2900 W
Output current (peak)	25 A	45 A
Output voltage (at no load)	120 Vac +/-3%	120 Vac +/-3%
Output voltage (over full load and battery voltage range)	120 Vac RMS -10%/+4%	120 Vac RMS -10%/+4%
Output frequency	60 +/-0.05 (crystal controlled)	60 +/-0.05 (crystal controlled)
Output waveform	True sine wave (<3% THD)	True sine wave (<3% THD)
Peak efficiency (12 V/24 V)	89% / 90%	89% / 90%
No load power draw (search mode)	<1.5 W	<1.5 W
No load power draw (idle mode)	<22 W	<22 W
Input voltage range (12 V/24 V)	10 – 16 Vdc / 20 – 32 Vdc	10 – 16 Vdc / 20 – 32 Vdc
Transfer relay rating (hardwire/transfer relay models)	15 A	15 A
Transfer time AC to inverter and inverter to AC	Max 2 cycles (typically 1 cycle) <2.5 seconds with Powersave "ON"	Max 2 cycles (typically 1 cycle) <2.5 seconds with Powersave "ON"
General Specifications		
Operating temperature range	32°F – 140°F (0°C – 60°C)	32°F – 140°F (0°C – 60°C)
Storage temperature range	-22°F – 158°F (-30°C – 70°C)	-22°F – 158°F (-30°C – 70°C)
AC output types	Dual GFCI receptacle	Dual GFCI receptacle
	Hardwire	Hardwire
	Hardwire with transfer relay	Hardwire with transfer relay
LCD display panel	Removable; can be mounted remotely (requires remote interface kit - see part number section)	Removable; can be mounted remotely (requires remote interface kit - see part number section)
	Displays DC volts, amps and output power	Displays DC volts, amps and output power
Recommended DC fuse	12 V: 150 A or 175 A* 24 V: 70 A or 90 A* *Depending on applicable installation codes	12 V: 225 A or 300 A* 24 V: 100 A or 150 A* *Depending on applicable installation codes
Dimensions (H x W x D)	4.5 x 11.0 x 15.4" (115 x 280 x 390 mm)	4.5 x 11.0 x 15.4" (115 x 280 x 390 mm)
Weight	14.5 lb (6.5 kg)	16.5 lb (7.5 kg)
Warranty	Two year	Two year
Part Numbers		
12-volt		
GFCI outlet	806-1000	806-1800
Hardwire with transfer relay	806-1002	806-1802
24-volt		
GFCI outlet	806-1050	806-1850
Hardwire with transfer relay	806-1052	806-1852
Remote interface panel	808-1800	808-1800
Wiring cover	808-1801	808-1801
Regulatory Approvals		
CSA/NRTL certified to CSA 107.1, UL 458 (including Marine supplement)		
KKK-A-1822D: Federal specification for use on ambulances		
Designed to meet ABYC E8, E9, A25 for marine applications		

Note: Specifications subject to change without notice.

Cobra 800 Watt Inverter

The Cobra CPI 880 - 800 Watt inverter is available on Coach House Platinum II models.

It operates from the 12V auxiliary batteries and inverts 12V power DC to 120 AC power.

The inverter is located in the overhead cabinet above the driver's seat. The on/off switch is located on the front of the unit.

***** The inverter shut-off is NOT automatic. The inverter may be ON which will result in running down the auxiliary batteries. *****



Back-Up Camera / Radio

Coach House recommends Pioneer Touch Screen Radio units with back-up camera's attached.



Power Sofa/Bed

Optional Equipment. Power Sofa/Beds are made by Kustom Fit, a division of Villa Industries. The fabric used matches the driver and passenger chairs and has a durability rating to last a long life in your motorhome.

The power sofa/bed has 4 functions:

- 1) Move sofa away from outer wall.
- 2) Convert sofa to bed.
- 3) Move bed toward outside wall to adjoin stationary cushion.
- 4) Convert bed to sofa & move toward outside wall.

You may operate the power sofa/bed with slide-out room extended or with room not extended.

Fiamma Awning



Bose Surround Sound System



Premium Sound.



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