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Portable Solar Kits:

GP-PSK-40

GP-PSK-80

GP-PSK-120

Portable Solar Kits Owner's Manual



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Veillez visiter gpelectric.com pour la version française de ce manuel de l'utilisateur
Visite gpelectric.com para la versión en español de este manual del usuario

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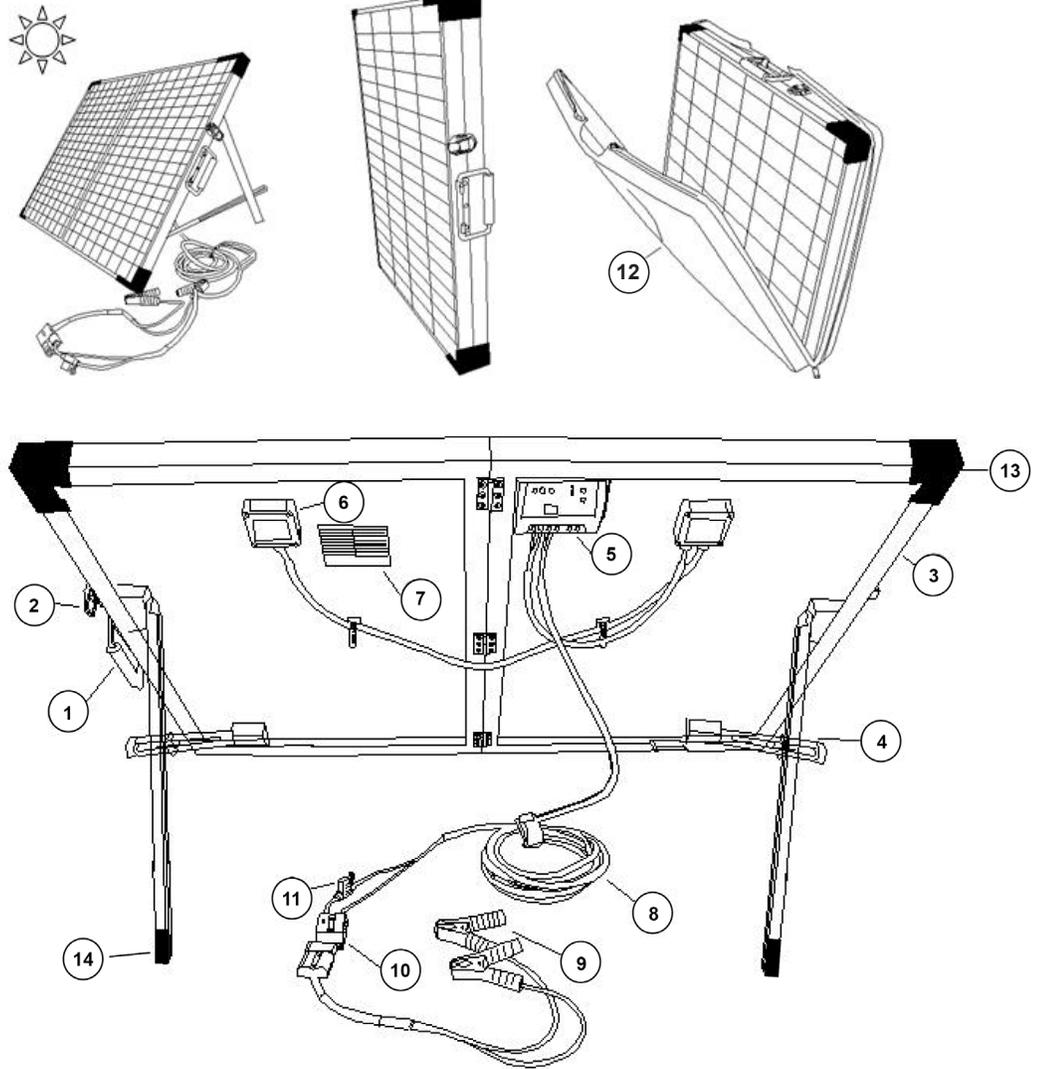
1.0 General Information

Welcome to the Go Power!™ Portable Solar Kit Installation Guide. Please read all instructions contained within this manual to gain a full understanding of how to install this product. Please visit gpelectric.com for the most current version of this manual.

Figure 1.0

2.0 Features & Accessories:

1. Handle
2. Latches
3. Aluminium frame
4. Aluminium support legs
5. Solar charge controller
6. Junction box
7. Label
8. Cables
9. Battery clamps
10. Quick connect cable
11. Fuse
12. Protective carrying case
13. Corner protection
14. Protective feet
15. Quick connect dust cover
16. Ring terminals



Additional Accessories Sold Separately:

(Visit gpelectric.com for product details)



GP-PSK-X30
30' Extension Cable



GP-PSK-7Plug
7 Pin Trailer Plug Adapter

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3.0 Installation:

1. Locate a sunlit area, free from over hanging branches or obstructions
2. Remove solar panel kit from carrying case
3. Unclip the two latches on the side of the unit and fold the two panels outward. Extend the two stands to their maximum length and lock in position
4. Place solar panel facing the sun
Note: To obtain maximum output it is suggested that the panel's direction be frequently adjusted to track the sun's movement throughout the day (southerly exposure). Ensure the battery clamps do not come in contact with one another.
5. Connect battery clamps to the positive (red, +) and negative (black, -) battery terminals. Ensure that the connection is secure. Connect the battery clamp cable to the rest of the solar panel cable using the quick connect cable

Note: We recommend that you do not have water come in contact with the controller.

4.0 Operation:

Charging Status Indicator

1. GREEN ON whenever sunlight is available for battery charging
2. GREEN FAST FLASHING when system is over voltage

Battery Status Indicator

1. GREEN ON when battery voltage is in normal range (12.6 - 13V)
2. GREEN SLOWLY FLASHING when battery is full
3. ORANGE ON when battery voltage is low
4. RED ON when battery is completely discharged

Note: The LEDs on the solar controller can be faint, this is normal. You may need to make it dark around the controller in order to see them.

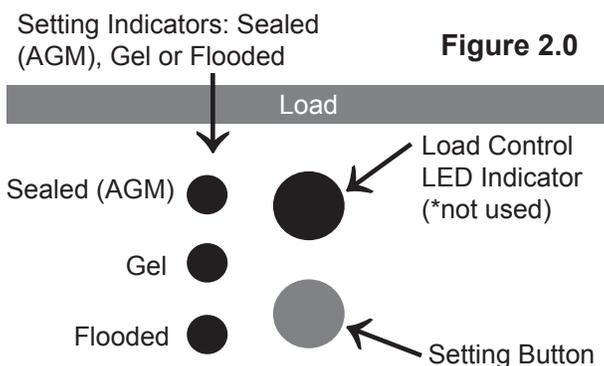
4.1 Battery Type Settings

Load Control Setting

The load control setting is disabled (at factory) and is not used for the 40, 80 and 120 watt portable solar kits. The red LED light indicates the power is OFF. If pressing this button causes the LED to flash, press it again to stop. This will have no effect on the function of the portable kit.

Battery Type Setting

Press and hold the setting button (Figure 2.0) for 5 seconds, to activate the battery setting function. When the battery type indicator begins to flash, use the same setting button to select the appropriate battery type: Sealed (AGM), Gel or Flooded. When the indicator stops flashing, the battery type is set.



Battery Type	LED Indicator
Sealed lead acid battery	Sealed (AGM)
Gel battery	Gel
Flooded battery	Flooded

5.0 Portable Solar Kit Specifications

Type	Module Size (Closed)	Module Size (Open)	Net Weight	Specifications				
				Max-Power	Max-Power Voltage	Max-Power Current	Open-Circuit Voltage	Short-Circuit
Module	(H) x (W) x (D)	(H) x (W) x (D)	kg / lbs	W	V	A	V	A
40W (2x20W)	470 x 345 x 65 mm 18.5 x 13.75 x 2.5 in	470 x 690 x 33 mm 18.5 x 27.5 x 1.25 in	5.5 kg / 12.1 lbs	40	18	2.22	21.60	2.39
80W (2x40W)	550 x 505 x 65 mm 21.65 x 19.88 x 2.5 in	550 x 1010 x 33 mm 21.65 x 39.75 x 1.25 in	9 kg / 19.8 lbs	80	18	4.44	21.60	4.79
120W (2x60W)	825 x 505 x 70 mm 32.5 x 19.88 x 2.75 in	825 x 1010 x 35 mm 32.5 x 39.75 x 1.4 in	15 kg / 33 lbs	120	18	6.66	21.60	7.19

Solar Controller Specifications			
Nominal Voltage	12VDC		
Rated Current	10A		
Max Voltage	32V		
Battery Voltage Parameters (temperature at 25°C)			
Battery Charge Setting	Gel	Sealed (AGM)	Flooded
Equalize Charging Voltage	-	14.6V	14.8V
Boost Charging Voltage	14.2V	14.4V	14.6V
Float Charging Voltage	13.8V	13.8V	13.8V
Low Voltage Reconnect	12.6V	12.6V	12.6V
Low Voltage Disconnect	11.1V	11.1V	11.1V
Equalize Duration	-	2hrs	2hrs
Boost Duration	2 hrs	2hrs	2hrs

Note: The Solar Controller will not charge if the battery is below 7V.

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6.0 Frequently Asked Questions and Troubleshooting

Please visit gpelectric.com for our up-to-date frequently asked questions and troubleshooting recommendations.

7.0 Disclaimer of Liability & Warranty

Go Power!™ warrants the solar panel of the Portable Solar Kit for 25 years, 1 year for the cable and componets and 3 years for the controller. This warranty is vaild against defects in materials and workmanship. It is not valid against defects resulting from, but not limited to:

- Misuse and/or abuse, neglect, or accident
- Exceeding the unit's design limits
- Improper installation, including, but not limited to, improper environmental protection and improper hook-up
- Acts of God, including lightning, floods, earthquakes, fire, and high winds
- Damage in handling, including damage encountered during shipment or installation

Visit gpelectric.com for additional product warranty information.

7.1 General Warranty

Please visit gpelectric.com for our up-to-date General Warranty.

7.2 Repair and Return Information

Visit gpelectric.com to read the frequently asked questions section of our website to troubleshoot any problem. If trouble persists:

1. Call your Go Power!™ Technical Support team (1-866-247-6527).
2. Return defective product to place of purchase.

8.0 Online Resources

Scan this QR Code with a QR Reader App to watch our 2 minute video on setting up a Portable Solar Kit!



Like us & Follow us for information, technical and product updates, contests and more!



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The Carmanah logo consists of a yellow diamond shape with a black border, containing a white starburst or sun-like symbol.

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