

# SBM C-140W Solar Charging Kit



## SBM C-140W Solar Charging Kit

### Specifications

**Solar Power:** 140W  
**Open Dimensions:**  
56" x 29" x .5"  
**Fold Dimension:**  
29" x 14.25" x 1.5"  
**Amps:** 10A  
**Weight:** 8.5 lbs  
**Cell Type:** Monocrystalline  
**Controller Type:** PWM  
**Protection:** IP68  
**Battery Type:** 12V / 24V



## Introduction

SBM foldable non-glass C-series solar panels are based on the same SBM technology and designs for military applications. C-series solar panels are made in the North Carolina facility.

This solar charging kit comes with a complete system which includes a plug-n-play feature, making this kit ready to use right out of the box. Our goal is to enhance your outdoor experience with reliable and efficient charging kits, while ensuring a high-quality product that can provide not only a sufficient amount of solar power, but also a peace of mind when exploring nature.

The Charging Kit Includes:

- C-140W Solar Panel
- Charge Controller
- 10ft Long Bonded Cable with Electrical Clips

## User Guide

The SBM C-140W charging kit is a Plug-N-Play system, easy for any person to use. Please connect the system with following steps:

### **Connect the System to the Battery**



- (1) connect the cable to the controller (only one way to connect).
- (2) connect the cable to the battery: the red wire cable to the positive battery terminal and the black wire to the negative terminal.
- (3) Unfold the solar panel, and then place the solar panel on a flat surface to the direction that allows maximum sunlight exposure to solar cells.

**Now, check the charge controller to see if your light indicators are blinking.**

### **Disconnect the System from the battery**

- Reverse the steps from the connecting description.

### **Controller Status Indicator**

LED lamp	Indications	Status	Functions
	Charging	Steady on	Solar panel of voltage
		Steady off	Solar panel of no voltage
		Slow flashing	Charging in process
		Quick flashing	System over voltage
	Battery	Steady on	Normal battery function
		Steady off	Battery not connected
		Slow flashing	Battery under voltage
		Quick flashing	Battery over discharged
		Steady on	Load turned on

## Handling the Solar Panel

Because of the fragility of the solar cells, please abide by the following guidelines when handling your solar panel.

- (1) Only transport panel in the folded position.
- (2) Do not stack anything on top of solar panel.
- (3) Handle the product with both hands
- (4) Do not lift panel by holding the corners.

## Warranty

Our products come with a 1 Year manufacture warranty, covering the cost of any defects or manufacturing issues. SBM will not warranty the products that have been neglected or damaged by the user.