

# SBM 180W Parallel Solar Panel Specification Sheet

P/N: SBMF-180W-M-P



## Main Features

- Easy to stow, transport, set up, and use!
- Bypass diodes minimize affects from damage or shading.
- Rugged construction and high-efficiency solar cells allow for high power collection in all environments.
- SAE connectors that connect to a variety of devices.
- Impact, vibration, temperature, and water resistant.
- Compact folding size saves stowing space.

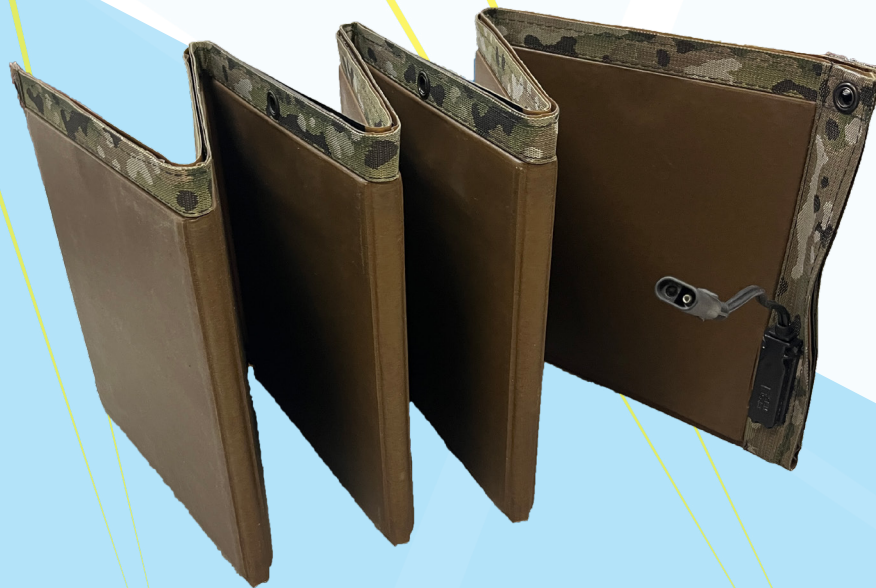


## How to Operate

- Unfold the panel and place it in a sunny spot.
- Attach the panel's SAE connector to your battery or appliance.
- Secure the panel by its grommets with rope or stakes.
- Sit back and let the power come to you!



<b>Panel Name</b>	<b>SBM Solar 180W Parallel</b>
<b>Part Number</b>	<b>SBMF-180W-M-P</b>
<b>Power (W) (Minimum)</b>	<b>180W</b>
<b>Optimum Power Voltage (Vmp)</b>	<b>17.0 V</b>
<b>Optimum Operating Current (Imp)</b>	<b>11.9 A</b>
<b>Open Circuit Voltage (Voc)</b>	<b>20.6 V</b>
<b>Short Circuit Current (Isc)</b>	<b>12.8 A</b>
<b>Solar Cell Efficiency (%)</b>	<b>&gt;24.3%</b>
<b>Module Weight</b>	<b>&lt;6.7 lbs. (&lt;3.0 kg)</b>
<b>Module Dimension (Open)</b>	<b>77.2" x 23.3" x 0.2"</b>
<b>Module Dimension (Folded)</b>	<b>12.0" x 12.0" x 3.0"</b>
<b>Module Area</b>	<b>11.1 Ft<sup>2</sup> (1.0m<sup>2</sup>)</b>
<b>Nominal Operating Cell Temperature</b>	<b>43 +/-2° C</b>
<b>Temperature Coefficient</b>	<b>-0.3%/C</b>
<b>Operational Temperature Range</b>	<b>-40°C to -90°C</b>
<b>Reverse Current Protection</b>	<b>A Blocking Diode</b>
<b>MIL-STD-810G Certified</b>	<b>Yes</b>
<b>Manufacture Location</b>	<b>Concord, NC, USA</b>



## **Made in the USA**

### **SBM Solar Inc.**

8000 Poplar Tent Road, Suite C

Concord, NC 28027

[www.sbmsolar.com](http://www.sbmsolar.com)

704-788-2881 Phone

704-793-1909 Fax