

# single pole solar sail

The Single Pole Solar Sail is not only functional by providing shade and shelter from the sun, but environmentally friendly and architecturally attractive. This free-standing durable canopy can be erected anywhere that receives sunlight: parks, playgrounds, university campuses or in any public setting, and used to recharge mobile devices, for lighting and equipment. It is designed to withstand extreme weather conditions yet easy and efficient to assemble and install.



# Features

## Flexible Solar Technology

After years of development and testing, field use, and proprietary lamination technology, Pvilion provides award-winning designs that are elegant, field-tested, durable, lightweight and flexible. Pvilion's products are weather resistant, able to withstand extreme temperatures, snow and high wind conditions.

## Solar Power Output Warranty

80% of rated power after 20 years

# Energy Output

	ENERGY OUTPUT	ENERGY STORAGE	POWERS
<b>Low Energy</b>	400W Solar Output 12 Volt Output (6) USB Charging Ports (2) x 15-amp 120v outlets	Integrated deep cycle AGM batteries can provide up to 300-400 Amp Hours of energy storage for up to three full operational days of energy without sun. (Lithium Ion batteries optional for reduced volume and weight).	(200) cell phones daily (10) Laptops (3) LED Lights
<b>Medium Energy</b>	600W Solar Output 12 Volt Output (6) USB Charging Ports (4) x 15-amp 120v outlets	Integrated deep cycle AGM batteries can provide up to 500-600 Amp Hours of energy and storage for up to three full operational days of energy without sun. (Lithium Ion batteries optional for reduced volume and weight).	(300) cell phones daily (20) Laptops (1) Electric Bike Recharge Battery Powered Tools (3) LED Lights
<b>High Energy</b>	800W Solar Output 1500 VA Output (Continuous) 2.1kW 5 sec surge power 4x 20-amp 120v outlets 8x USB Charging Ports	Integrated deep cycle AGM batteries can provide approximately 700-800 Amp Hours of energy storage for up to three full operational days of energy without sun. (Lithium Ion batteries optional for reduced volume and weight).	(400) cell phones daily (35) Laptops (3) Electric Bikes Recharge battery powered tools or run off AC 120v (4) LED Lights

# Frame

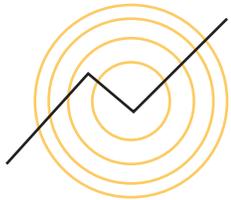
MATERIAL & DIMENSIONS	DURABILITY	CORROSION RESISTENCE	FINISH & COLORS	CORROSION RESISTENCE	ENVIRONMENTALLY SAFE
<p><b>Powder-coated Steel Frame</b> 16' L x 16' W x 16' H</p>	<p>Withstands damage better and last longer.</p>	<p>Powder coating steel provides a protective barrier that helps prevent corrosion.</p>	<p>Powder coating provides a hard finish that is tougher than conventional paint. Because of this, colors stay brighter and vibrant longer than other methods.</p>	<p>Powder coating steel provides a protective barrier that helps prevent corrosion.</p>	<p>The powder coating process has little impact on the environment. It requires no harmful solvents and does not emit vapors or fumes like liquid paint does.</p>

# Fabric

MATERIAL & CARE	FABRIC COLORS*	CUSTOM BRANDING	WARRANTY & CARE	FIRE RATINGS	WEATHER PROTECTION
<p>Pvilion Patented Technology using high-strength PVC coated polyester fabric.</p>	<ul style="list-style-type: none"> <li><input type="radio"/> White</li> <li><input type="radio"/> Cream</li> <li><input type="radio"/> Latte</li> <li><input type="radio"/> Blue</li> <li><input type="radio"/> Sunblaze Red</li> </ul>	<p>The integrated solar fabric used on Pvilion Solar Powered Structures can be marked with custom printing to show a company's logo or brand.</p>	<p>Pvilion's Proprietary PV/Fabric Technology comes with 2-year warranty on materials and workmanship. Base fabric has a 20-year pro-rated warranty. The fabric is self-cleaning however periodically spray and damp cloth cleaning may be required.</p>	<p>CFSM Title 19, NFPA 701</p>	<p>Pvilion's Solar Structures are waterproof, fire-retardant, and UV-resistant. Our products are heavy-duty and built to last.</p>

\*The colors represent here do not necessarily depict the exact color of the product and should only be used as a guide for color selection. Sample swatches are available upon request.

## Features (cont.)



### Return on Investment

As the price of electricity steadily increases year over year, Pvilion solar products can save on annual energy costs. The products are also eligible for a 26% Investment Tax Credit (ITC), which is a one-to-one credit for the purchase of the solar unit. Additionally, many states offer incentives for municipal buildings to install solar panel systems.



### Pvilion Design Team

Whether it's selecting the right size for your purposes, visualizing our products on your site, or developing the technology - Pvilion's experts are here to help. Please contact us to request a quote.

## Why Pvilion?

Pvilion Solar Structures provide the convenience of solar energy to accommodate for temperature control, lighting and other energy needs.

Pvilion's Solar-Powered Fabric Products are fully turn-key solutions that provide energy in any location where fabric is exposed to the sun.

Pvilion provides solar canopy structures that are light weight, flexible, and easy to install, yet durable and energy efficient.

Pvilion Solar Structures increase your business usable space while retaining customers by keeping them comfortable, socially safe and happy.

Pvilion Solar Structures can charge Heavy Duty equipment independently from the local electric grid, eliminating the environmental impact associated with traditional sources of energy and the need to create permanent infrastructure.

**Get in touch →**

For further information and to schedule a meeting, please contact Colin Touhey, CEO, [Ctouhey@pvilion.com](mailto:Ctouhey@pvilion.com) 347.302.2165