

heavy duty solar canopy

The Heavy Duty Portable Solar Canopy, the sister to the LW Portable Quad Pole Solar Canopy, has the ability to withstand environmental conditions with the option of being used as a permanent structure and expanded as a parallel structure. This relocatable canopy integrated with solar panels; the Solar Canopy can provide sustainable power anywhere that receives sunlight. This structure is ideal for business seeking energy sources that are independent from the local electric grid, eliminating the environmental impact associated with traditional sources of energy and the need to create permanent infrastructure.

The implemented 10 ft x 24 ft structure provides a bay under an angled roof for maximum sun exposure. It is designed to withstand extreme weather conditions yet is flexible for speedy assembly/disassembly. Ideal for charging equipment, the energy provided by the Solar Sail can also be used to power other devices such as cell phones, laptops and lighting.



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
Low Energy	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 400-500 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 (2) Electric Bikes Recharge Battery Powered Tools (4) LED Lights
Medium Energy	1200W Solar Output 1500 VA Output (Continuous) 2.1kW 5 sec surge power 4x 20 amp 120v outlets.	Integrated deep cycle AGM batteries can provide approximately 800-1000 Amp Hours of energy storage for up to three full operational days of energy without sun. (Lithium Ion batteries optional).	(600) Cell Phones (40) Laptops (8) Electric Bikes (8) LED Lights Recharge battery powered tools Run power tools off 120v outlet
High Energy	2400W Solar Output 1500 VA Output (Continuous) 2.1kW 5 sec surge power 8x 20-amp 120v outlets.	Integrated deep cycle AGM batteries can provide approximately 1600-2000 Amp Hours of energy storage for up to three full operational days of energy without sun. (Lithium Ion batteries optional).	(1200) cell phones daily (80) Laptops (15) Electric Bike (15) LED Lights Recharge battery powered tools Recharge heavy electrical Equipment such as scissor lifts and electric fork lifts Run power equipment off 120V

Frame

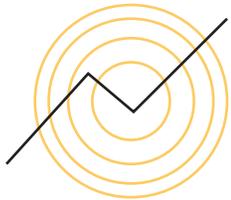
DIMENSIONS	MATERIAL	DURABILITY	CORROSION RESISTENCE	FINISH & COLORS
24'L x 10'W x 19' H	Anodized Aluminum Frame	Withstands damage better and last longer.	Anodized aluminum provides a protective barrier that helps prevent corrosion.	Frames can be powder coated as an option.

Fabric

MATERIAL & CARE	FABRIC COLORS*	CUSTOM BRANDING	WARRANTY & CARE	FIRE RATINGS	WEATHER PROTECTION
Pvilion Patented Technology using high-strength PVC coated polyester fabric.	<ul style="list-style-type: none"> <input type="radio"/> White <input type="radio"/> Cream <input type="radio"/> Latte <input type="radio"/> Blue <input type="radio"/> Sunblaze Red 	The integrated solar fabric used on Pvilion Solar Powered Structures can be marked with custom printing to show a company's logo or brand.	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.	CFSM Title 19, NFPA 701	Pvilion's Solar Structures are waterproof, fire-retardant, and UV-resistant. Our products are heavy-duty and built to last.

*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 347.302.2165