

OHMTEK

Beyond Light & Energy

 **SolarWrap**®
vertical solar cylinder

Discover

the **FUTURE**
in solar lighting

Designed in U.S.A



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Designed in U.S.A and assembled in P.R.C, SolarWrap vertical solar cylinder represents an innovative solution tailored for pole-mounted applications. Distinguished from conventional solar panels, poles equipped with the SolarWrap cylinder exhibit exceptional aesthetic appeal, seamlessly integrating into serene environments while retaining the appearance of traditional poles, albeit enhanced with beauty. Its versatility extends to various applications including solar light poles, solar camera poles, and solar traffic signs, etc.

Employing SUNPOWER cells manufactured in the U.S.A., the SolarWrap boasts remarkable power generation efficiency, capable of flexing without cracking and outperforming traditional monocrystalline solar panels by 10% in low-light conditions. Protected by tempered glass, it withstands wind, sand, and UV exposure, resisting dust accumulation and ensuring a service life exceeding 20 years. Multiple SolarWrap units can be mounted on a single pole to enhance power generation.

Featuring a modular design, the SolarWrap is easily installable and adaptable to diverse pole shapes such as round, hexagonal, octagonal, or conical, within specified diameter limits. Retrofitting existing poles, including traditional metal halide street lights, into solar-powered poles is achievable with the SolarWrap. To cater to varied applications, three models of the SolarWrap are available, ensuring compatibility with diverse project requirements.

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Product Features



Fit to Different Size

SolarWrap vertical solar cylinder is able to cater to different sizes and different shapes of mounting poles.



360° Full Day Charging

Half area of round solar tube is facing to sun all the time to ensure continuous charging all day long, generating more power.



Modular Installation

It adopts modular concepts and uses male and female sliding installation structures to make the installation easier



Strong Wind Resistance

With smaller wind resistance area and stronger installation bracket it has very great wind resistant performance up to 160km/H.



No Accumulation of Snow

There is no risk of less or even no power generation from solar panel caused by snow accumulation in winter time.



No Accumulation of Sand & Dust

Sand & dust will not accumulate on the vertically installed solar panel. no need to clean the solar panels frequently



No Risk from Hailstone

There is no any risk of damage from hailstone which will smash the glass of solar panel.



Aesthetics Appearance

All the mounting poles adopted vertical PV cylinder blend into environments perfectly without disturbing the beauty of the view.

Key Specification - Vertical Warp Solar Panel

Model	VWSP-S80	VWSP-S100	VWSP-S140
Pmax	80W	100W	140W
Vmp	6V	6V	9V
Imp	13.3A	16.67A	15.6A
Voc	7.2V	7.2V	10.8V
Dimension	D160*1040mm	D190*1040mm	D240*1040mm
Pole diameter	60~110mm	80~140mm max	100~180mm max
N.W	7.70kg	9.20kg	10.50kg
Solar cell brand	SUNPOWER®		
Cell efficiency	22.5% ²		
Cable & Connector	2.5mm with MC4 plugs		
Materials	Tempered glass + aluminium alloy profile		
Lifetime	>20 years lifetime		
Operating temp.	-20°C ~ +70°C		

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Cylindrical



Polygon



Square

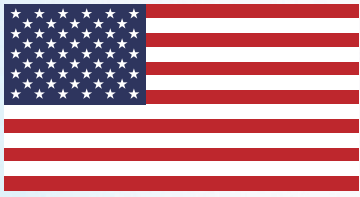


Tapered



cylindrical solar module adopts a modular installation approach, with installation brackets featuring six screws. It can be effortlessly mounted on poles of various shapes, such as square, hexagonal, octagonal, or conical, as long as the pole diameter is smaller than the maximum installation diameter of the solar panel. There's no need for customizing specific sizes to accommodate the SolarWrap, enhancing installation flexibility and offering more options. To meet the requirements of different application, multiple SolarWrap units can be installed in parallel on the same pole, enabling higher power output.

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