

SolarWrap – The Vertical Solar Powered Lighting Solution.



SolarWrap is an Integrated Solar Pole System, it is the most advanced and innovative solar module for pole-mounted PV applications. The patented design is manufactured to high-quality standards and can meet the demands of decorative and high-end applications, without compromising aesthetics.

SolarWrap is the outcome of constant R&D in solar lighting. Our lighting is now equipped with highly efficient solar modules in a hexagonal die cast structure for maximum performance, strength and durability in many challenging applications. The innovation can be integrated onto most pole shapes and dimensions, making the SolarWrap Integrated Solar Pole System almost universal. The detachable and lightweight design helps in the ease of installation.

The complete SolarWrap Integrated Solar Pole System only includes two functional components: the vertical solar modules and a SolarWrap light fixture, these are connected to each other directly by MC4 connectors. The battery and solar controller are built inside the light fixture. The power of solar SolarWrap light fixtures range from 30W to 120W to meet the requirements of a variety of projects.

The SolarWrap Integrated Solar Pole System is an ideal solution to retrofit traditional streetlights. It only takes attaching the SolarWrap vertical solar module to existing poles and replacing the light fixture. This can be done without the need of setting new poles and provides brand-new possibilities to save energy with solar power for traditional streetlights, with minimum cost.

KEY FEATURES

Modular Installation: The SolarWrap Integrated Solar Pole System is based on modular design concept for easy installation and disassembly. With the adjustable spacing brackets, it can be quickly and easily mounted on any suitable pole. 200w-700w are available by multi modules in series connection.

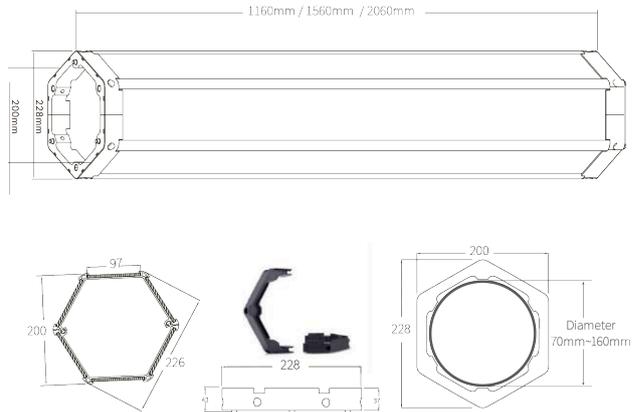
360° Full Day Charging: 6 Slime solar panels are fixed onto a hexagonal frame, this ensures that 50% of the panels are facing the sun at any time of the day.

Strong Wind Resistance: The cylindrical design of The SolarWrap Integrated Solar Pole System reduces the wind resistance area, each module is directly secured to the pole by 12 screws.

Easy to Clean: Less dust will settle on the surface of the SolarWrap module systems compared to regular solar panels. Workers can easily clean from the ground.

Never Snow Covered: With the SolarWrap Integrated Solar Pole System mounted in vertical, it is not easily covered by snow as compared to regular solar panel. Ensure enough power can be generated even in very snowy climate.

Design Aesthetics: The SolarWrap module systems are perfect for the areas where the design aesthetics and decorative lighting applications are needed; they are compact and fully integrate onto the pole, and are also available in custom colors to match the design of the pole



Technical Data

Item number	Q100	Q140	Q200
Dimension	228*200*1160mm	228*200*1560mm	228*200*2060mm
Pmax	100W	140W	200W
Vmp & Imp	18V 5.56A / 36V 2.78A	36V 3.88A	36V 5.56A
Cell type	MONO made in Taiwan		
Solar cell efficiency	22.50%		
Cable & Connector	Universal MC4 with 0.6 meter 2.5mm		
Structure material	aluminum alloy with powder coated >20 years lifetime		
Operating temp.	-20°C ~ +70°C		
PV Lifetime	>20 years		
N.W / G.W	15.50kg / 17.80kg	20.70kg / 22.80kg	28.80kg / 29.80kg
Max pole diameter	155mm		
Warranty	5 years		

