




SolarWrap
REDEFINE YOUR SOLAR STREET POST

SolarWrap

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Hexagonal Solar Module for Integrated Solar Power Post

What Is It?

Hexagonal solar LED street post is a advanced combination with latest technology. It adopts the Hexagonal solar modules as a revolutionary design in 2019.

Solar hexagonal is based on modular conception which is can be easily mounted to any kind of pole within diameter 165mm, It adopts mono-crystalline solar panel with high efficiency up to 21.2% and more than 20 years lifetime. It has a very aesthetically appearance and has a much better wind resistance than regular solar panel.

The whole post only includes two functional components including solar Hexagonal and solar light head which can be connect-ed directly by MC4 connectors. The battery and solar controller are built inside of light fixture. The power of lights covers from 20W to 120W which can be installed on poles from 5M to 14M.

Solar Hexagonal light post is a premium and advanced product. It is designed specially for these projects concerning a lot on aesthetically appearance as well as high luminous, durable quality system and longtime lifetime.



Universal Application
SolarWrap can be added to any existing type of pole without dismantling the pole. Poles can be purchased close to source allowing for a cost effective solution. The detachable design with adjustable spacing brackets makes mounting easy



360° Full Day Charging
6 slim solar panels are fixed tightly on a hexagon frame. This ensures 50% of solar panel will face to sunshine at any time of the day all year round.



Modular Installation
This solar Hexagonal module is based on a modular design concept for easy installation and disassembly. It can be quickly and easily mounted on just about any pole.



Patented Design
SolarWrap solar Hexagonal module is designed based on advanced concepts and manufactured to a very high standard. PCT pre-registration has been processed in 180 countries.



High Wind Resistance
The Hexagonal design reduces the wind resistance area compared to tradition solar panel designs. Each module is directly fastened to the pole by 12 stainless steel set screws. The design can withstand 10th grade typhoon.



Bird Poo, Dust and Snow Free
SolarWrap`s hexagonal design is mounted vertically making it hard for dust or snow to gather and impact the charging efficiency. No more cleaning off bird droppings.



Easy to Clean
With a self-cleaning design the maintenance will be less and the panels can be easily cleaned with an extension pole and mop head from the ground.



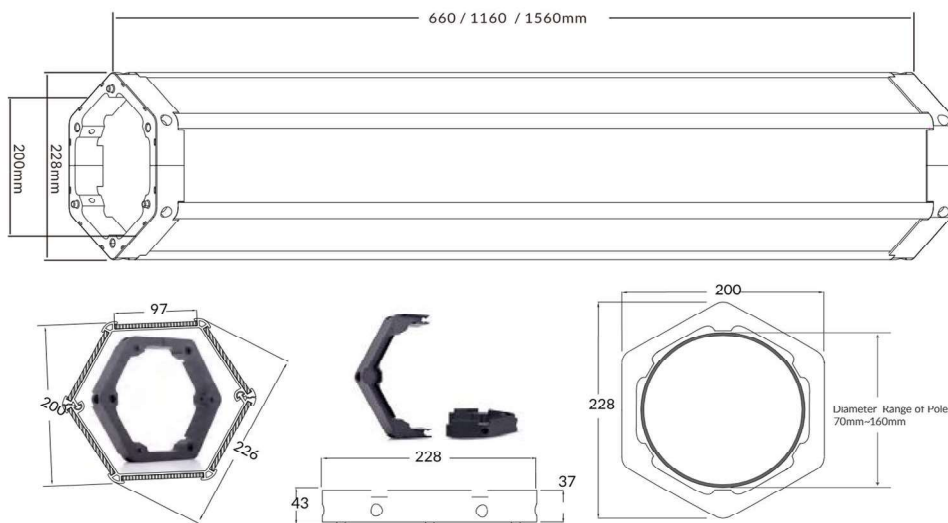
Design Aesthetics
Finally a stylish solution offering design aesthetics where decorative or heritage lighting applications are used. SolarWrap module systems can be custom coloured to suit your project.



Product Specifications

Model No	G55W	G100W	G140W
Cell type	Mono made in Taiwan	Mono made in Taiwan	Mono made in Taiwan
Pmax	55W	100W	140W
Vmp	18V	18V	18V
Imp	3.06A	5.6A	7.8A
Carton dimensions	72X30X28 cm	120X30X28 cm	160X30X28 cm
Frame material	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy
Solar cell efficiency	>21.2%	>21.2%	>21.2%
Cable model	2.5mm2 with MC4	2.5mm2 with MC4	2.5mm2 with MC4
Operating temperature	-40 C to +85 C	-40 C to +85 C	-40 C to +85 C
Warranty	5 years	5 years	5 years
Life time	25 years	25 years	25 years
N. W	16.07kgs	19.07kgs	22.70kgs
G. W	17.80Kgs	21.80Kgs	24.30Kgs

Product Dimensions



Compatible solar integrated lights

Built in lithium battery, bms and smart controller



THOR
SMART SOLAR STREET LIGHT
60 | 70 | 80 | 90 | 100 | 120 Watts



HELIOS
SMART SOLAR STREET LIGHT
20 | 30 | 40 | 50 | 60 Watts

HELIOS

20 | 30 | 40 | 50 | 60Watts



Solar LED Street Light Head

In Built Lithium Battery & Solar Controller

Key Advantages

Programmable



Smart MPPT solar controller built-in, Even after Quality lithium battery with long lifetime and the products are installed, the lighting scheme mppt solar controller are built inside of light, can be reconfigured or adjusted **Only needs to be connected to solar panel via the supplied cable connectors.**

Compact Structure



High Luminous Output



Adopted more numbers of led chips philips SMD3030 as light source ,driven by less rated input current, It reaches high lumens luminous output up to 140lm/watt. MC4 connectors and turn on button. Simple installation.

Patented Design



The pioneer model on market based on "PLUG and PLAY" idea. Patents in utility & appearance registered in China.

Design Aesthetics



It adopted streamlined design concept with better Designed specially for premium quality projects



wind resistant performance and appearance requests.

Long Lifetime



Using superb quality battery with long lifetime. deep temperatures at -20°C ~ $+65^{\circ}\text{C}$. Maintenance free for



cycles. Working well in low and high years without extra cost.

Green Energy



100% pure energy from sun. No bill for electricity anymore. No pollution. Endless power from nature.

Motion Sensor

PIR / microwave sensor is optional to save more energy at night. Also can be used for security application.

Long Autonomy

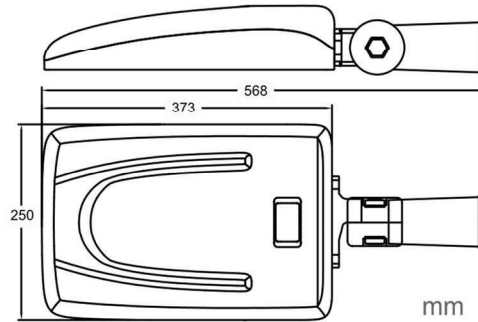
Up to 12 hours solar light head can work with 100% power continuously. Using energy saving modes, Autonomy can reach to 3~4 days max without charging.

Product Specifications

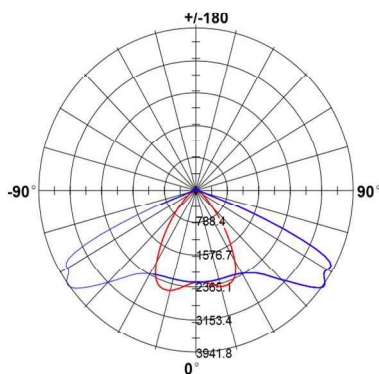


IP67 Waterproof

Aluminium die casting body, high quality materials, Sealed by silicon glue. Can stand well for outdoor using even for challenge weather. Impact level up to IK08.

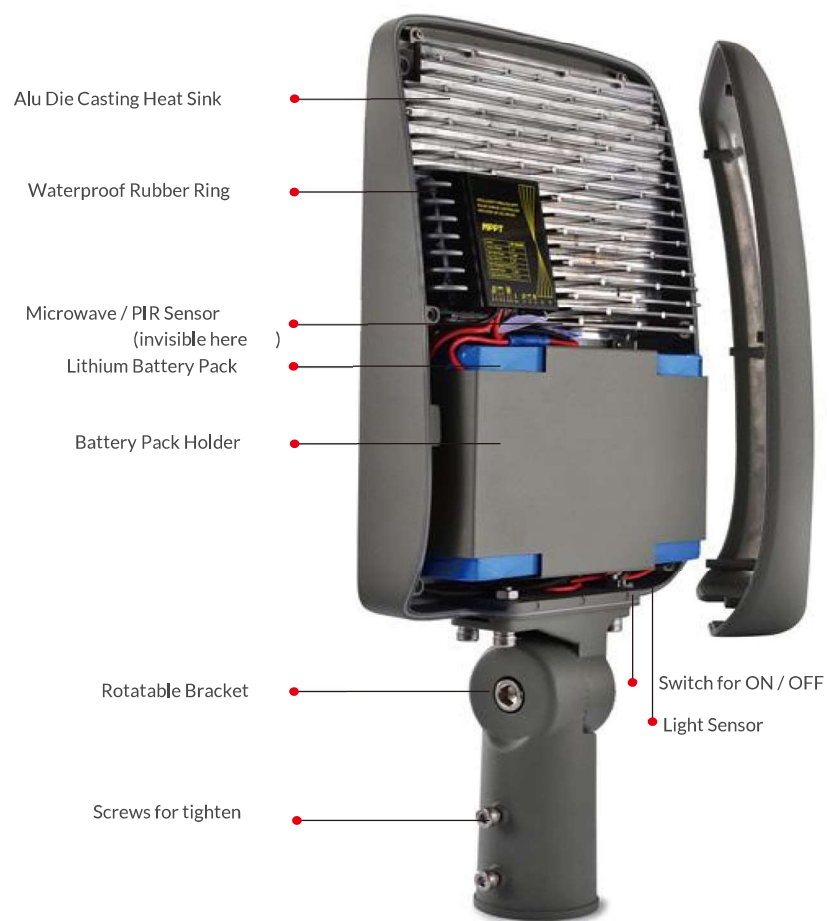


Model	EA-U20W	EA-U30W	EA-U40W	EA-U50W	EA-U60W
Power.max	20W	30W	40W	50W	60W
Luminous flux	>2,800lm	>3,600lm	>5,200lm	>6,200lm	>7,200lm
LED Qty	48 Pcs	72 Pcs		90 Pcs	
Battery	268WH 12V	391WH 12V	488WH 12V	548WH 12V	635WH 12V
CRI	>80Ra				
LED Brand	Philips SMD3030 1W/LED				
Beam angle	140*70 Degree				
IP Rating	IP67				
Color Temp.	3000K / 4000K / 6000K				
Controller	MPPT				



Solar Hexagonal					
P.max(W)	100W	140W	200W	280W	300W
V.mp. of PV	18V	18V	18V	18V	18V
I.mp. of PV	2.78A	3.33A	4.44A	5.56A	6.67A
PV Size(mm)	620*535*30	670*560*25	760*670*30	1000*680*30	1050*670*30
Pole Height	3~5M	3~6M	5~8M	6~8M	6~10M
Warranty	3 Years				

Internal Structure



Hexagonal Solar Street Post (HELIOS Series)

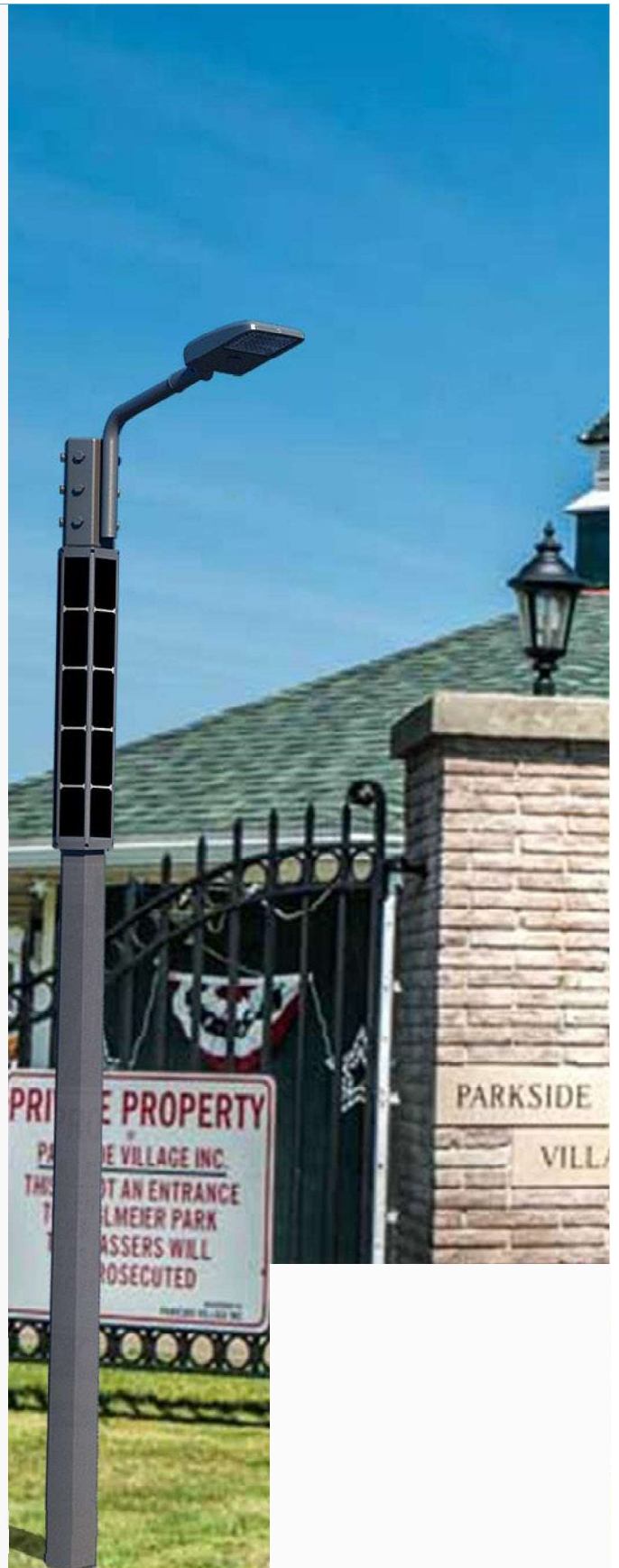


Order Number	:	EA-M20W
Post Height	:	5 Meters
Light Power	:	20 Watts
Luminous Flux	:	>2,800lm
Beam Angle	:	140*70 °
Battery Capacity	:	12V 268WH
Battery Lifetime	:	>1 ,800 Cycles
Solar Hexagonal	:	G100W 100W
Solar Controller	:	Programmable MPPT
Post Dimension	:	90*150mm
Working Temp.	:	-20°C ~ +60°C
Posts Distance	:	12 ~ 18 Meters
Warranty	:	3 Years

Order Number	:	EA-M30W
Post Height	:	6 Meters
Light Power	:	30 Watts
Luminous Flux	:	>3,600lm
Beam Angle	:	140*70 °
Battery Capacity	:	12V 391WH
Battery Lifetime	:	>2000 Cycles
Solar Hexagonal	:	G140W 140W
Solar Controller	:	Programmable MPPT
Post Dimension	:	100*160mm
Working Temp.	:	-20°C ~ +60°C
Posts Distance	:	15 ~ 20 Meters
Warranty	:	3 Years

Order Number	:	EA-M50W
Post Height	:	7 Meters
Light Power	:	50 Watts
Luminous Flux	:	>6,200lm
Beam Angle	:	140*70 °
Battery Capacity	:	12V 548WH
Battery Lifetime	:	>1 ,800 Cycles
Solar Hexagonal	:	G140W 2Pcs 280W
Solar Controller	:	Programmable MPPT
Post Dimension	:	100*170mm
Working Temp.	:	-20°C ~ +60°C
Posts Distance	:	18 ~ 28 Meters
Warranty	:	3 Years

The specifications including solar light and power of solar Hexagonal modules can be customized according to your requirement.



THOR

60 | 70 | 80 | 90 | 100 | 120 Watts



Solar LED Street Light Head

High Power Specially for Express-Way



Key Advantages

ULTRA HIGH LUMENS

248Pcs of Philips SMD3030 are adopted, 180lm/W from LED, >150lm/w for practical output.

PERFECT LIGHTING DISTRIBUTION

Bat wing lighting distribution with more smooth performance, covering wider and longer distance.

MORE BACKUP

it is capable to provide 3~4 days as autonomy depending on different lighting modes. Max 24 hours working with full charge. Same LED power can equipped with different battery size according to your budgets.

HYBRID MODEL

Hybrid model as 85~240V and solar powered mode is available, One more cable from light fixture connecting to external 24VDC power supply.

WIRELESS INTELLIGENT CONTROL SYSTEM

Intelligent control system is available based on 4G technology, Changing lighting working modes or monitoring light status or battery status can be realized via mobile / Ipad / computer anywhere.



MC4 Connectors



Smart Controller



Lithium Battery

EA-T60
W

EA-T70
W

EA-T80
W

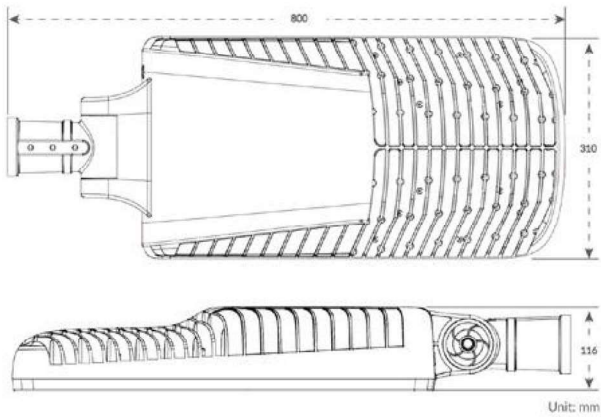
EA-T90
W

EA-T100
W

EA-T120
W

Fixture IP	IP67					
Material	Aluminium Die Casting					
LED Type	Philips SMD3030 248 Pcs / Philips SMD5050 62Pcs					
CCT Range	3000K / 4000K / 5000K / 6000K					
Beam Angle	145° * 83°					
CRI	>81					
Efficiency max	>7, 800 lm	>8, 800 lm	>10, 800l m	>11, 800l m	>12, 800l m	>15, 800l m
Power max	60 W	70 W	80W	90 W	100 W	120 W
Battery Capacity	840 WH	960 WH	108 0W H	120 0W H	146 0W H	168 0W H
Charge Time	5 Hours					
Discharge Time	>24 Hours					
Control System	Programmable MPPT Controller / Hybrid Controller / Wireless Intelligent Control					
Solar Hexagonal	>30 0W 36V	>30 0W 36V	>42 0W 36V	>42 0W 36V	>56 0W 36V	>56 0W 36V
Cell Type	MONO from Taiwan					
Working Temp.	-20 °C ~ +65 °C					
Control Method	Manual ON/OFF / Automatically ON/OFF / Time Control					
Lighting Modes	100% Continuous lighting / Energy saving / Customized modes.					
N.W/Light	3.8 5Kg	15. 80K g	16.2 0Kg	17.3 0Kg	18.3 0Kg	20.3 5Kg
G.W/Light	4.1 5Kg	16. 30K g	17.5 0Kg	18.5 0Kg	19.6 0Kg	21.6 0Kg
Light Fixture Szie	800*310*116mm					
Light CTN Szie	930*400*220mm					
Certificates	CE ROHS FCC IP67 IK10 SASO, RCM LM79 LM80					

Product Dimensions



Internal Structure




SolarWrap



**ECO
INDUSTRIAL
SUPPLIES**

Contact for Supply.

Eco Industrial Supplies

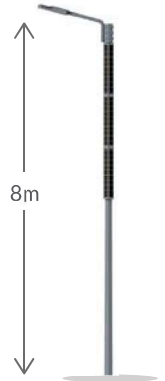
Email: ecoindustrial@internode.on.net

Phone: Australia 0458158777 International +0061 45158777

Hexagonal Solar Street Post (THOR Series)



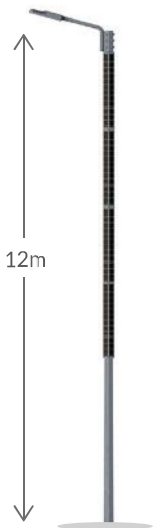
Order Number	:	EA-M60W
Post Height	:	8 Meters
Light Power	:	60 Watts
Luminous Flux	:	>7,800lm
Beam Angle	:	145*83 °
Battery Capacity	:	840WH
Battery Lifetime	:	> 2,500 Cycles
Solar Hexagonal	:	G100W 3 Pcs 300W
Solar Controller	:	Programmable MPPT
Post Dimension	:	120*160mm
Working Temp.	:	-20°C ~ +60°C
Posts Distance	:	20 ~ 30 Meters
Warranty	:	3 Years



Order Number	:	EA-M80W
Post Height	:	10 Meters
Light Power	:	80 Watts
Luminous Flux	:	>10,800lm
Beam Angle	:	145*83 °
Battery Capacity	:	1080WH
Battery Lifetime	:	> 2,500 Cycles
Solar Hexagonal	:	G140W 3Pcs 420W
Solar Controller	:	Programmable MPPT
Post Dimension	:	120*160mm
Working Temp.	:	-20°C ~ +60°C
Posts Distance	:	20~ 35 Meters
Warranty	:	3 Years



Order Number	:	EA-M100W
Post Height	:	12 Meters
Light Power	:	100 Watts
Luminous Flux	:	>12,800lm
Beam Angle	:	140*70 °
Battery Capacity	:	1440WH
Battery Lifetime	:	> 2,500 Cycles
Solar Hexagonal	:	G140W 4Pcs 560W
Solar Controller	:	Programmable MPPT
Post Dimension	:	100*230mm
Working Temp.	:	-20°C ~ +60°C
Posts Distance	:	20 ~ 35 Meters
Warranty	:	3 Years



The specifications including solar light and power of solar Hexagonal modules can be customized according to your requirement.