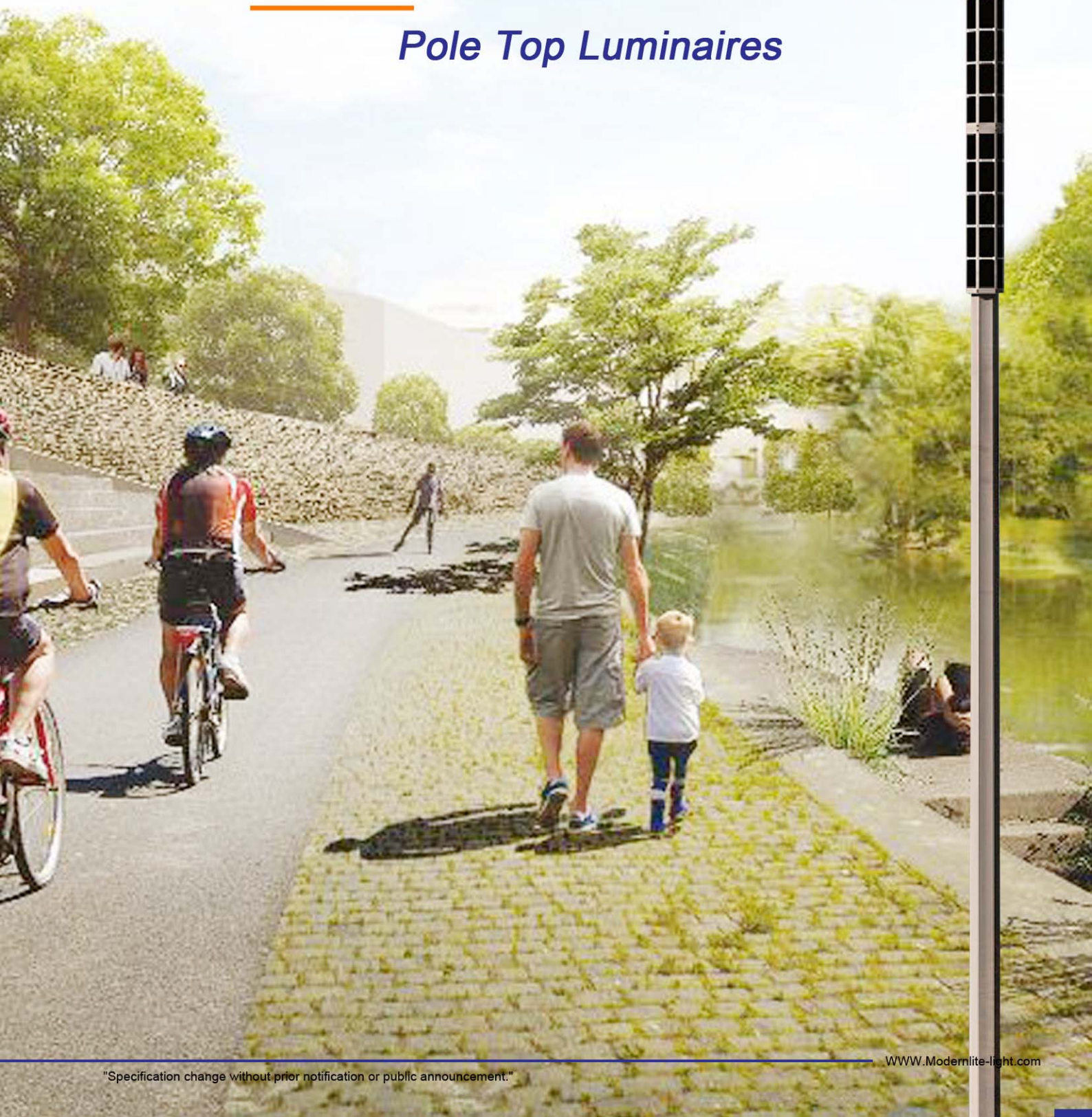




Solar Pole Top Luminaires



Solar

Pole Top Luminaires

What Is It?

Solar LED street post is a advanced combination with latest technology. It adopts the cylindrical solar modules as a revolutionary

Solar cylinder 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 aesthetical appearance and has a much better wind resistance than regular solar panel.

The whole post only includes two functional components including solar cylinder and solar light head which can be connected 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 cylinder light post is a premium and advanced product. It is designed specially for these projects concerning a lot on aesthetical appearance as well as high luminous, durable quality system and longtime lifetime.



Universal Application



Wrape can be used in any type of poles and designs without dismantling them makes the application. Poles can be sourced separately, the detachable design with adjustable spacing brackets helps the mounting easy in every pole.



360° Full Day Charging

6 slim solar panels are fixed tightly on a hexagon frame. so it ensures 50% of solar panel will face to sunshine at any time of the day.



Modular Installation

This solar cylinder module is based on modular design concept for easy installation and disassembly. It can be quickly and easily mounted on any suitable pole.



Patented Design

Wrape solar cylinder module is designed based on advanced concepts and manufactured in high standards. PCT pre-registration was processed in 180 countries to protect market.



Strong Wind Resistance

The cylindrical design reduces the wind resistance area, and each module is directly fastened to the pole by 12 screws for better wind resistance. It can stand well against even 10 grade typhoon.



Never Snow Covering

Solar cylinder modular mounted in vertical, it is not easy to be covered by snow as regular solar panel. Ensure enough power can be generated even in very snowy climate. Never worry black



Easy to Clean

Less dust will fall on surface than regular solar panel. Worker can clean it easily standing on ground with a long handle brush. no need lift. higher work efficiency and less maintenance cost.



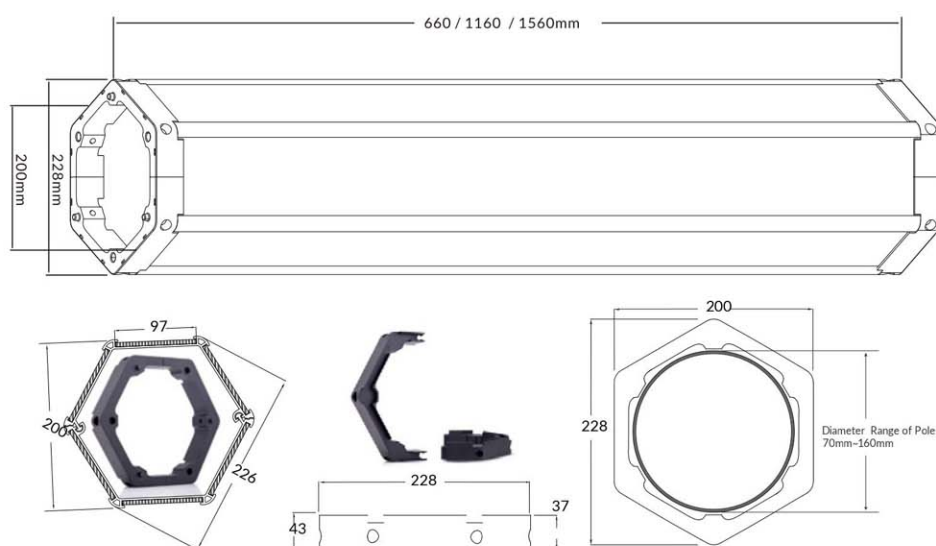
Design Aesthetics

The relatively large size of solar panels on the pole top has made the solar lighting not an option for the areas where the design aesthetics and decorative lighting applications are used. SolarWrap module systems is the real answer which is compact and fully integrates on the pole and available in custom colors to match the design of the pole.

Product Specifications

Model No	Q55	Q100	Q140
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



WRAPE 2
SMART SOLAR STREET LIGHT
60 | 70 | 80 | 90 | 100 | 120 Watts



WRAPE 1
SMART SOLAR STREET LIGHT
20 | 30 | 40 | 50 | 60 Watts



WRAPE 1

20 | 30 | 40 | 50 | 60Watts

Solar LED Street Light Head

Lithium Battery & Solar Controller Built-in

Key Advantages



Programmable

Smart MPPT solar controller built-in, Even after the products are installed, the lighting scheme can be reconfigured or adjusted



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.



Design Aesthetics

It adopted streamlined design concept with better wind resistant performance and appearance. Designed specially for premium quality projects requests.



Long Lifetime

Using superb quality battery with long lifetime. deep cycles. Working well in low and high temperatures at -20 C ~+65 C. Maintenance free for years without extra cost.



Green Energy

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



Compact Sturcture

Quality lithium battery with long lifetime and mppt solar controller are built inside of light, Only need to be connected to solar panel via 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.



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.



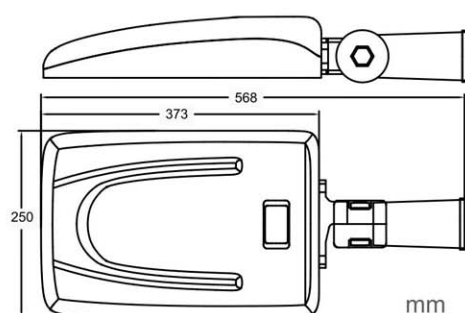
IP67 Waterproof

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.

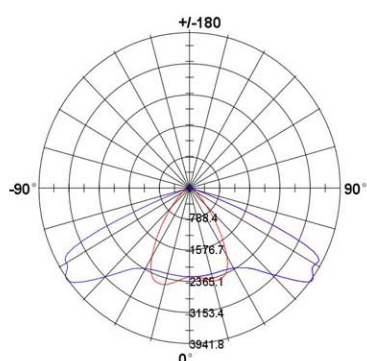
Product Specifications

Model	AI-U20W	AI-U30W	AI-U40W	AI-U50W	AI-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 Cylinder					
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				

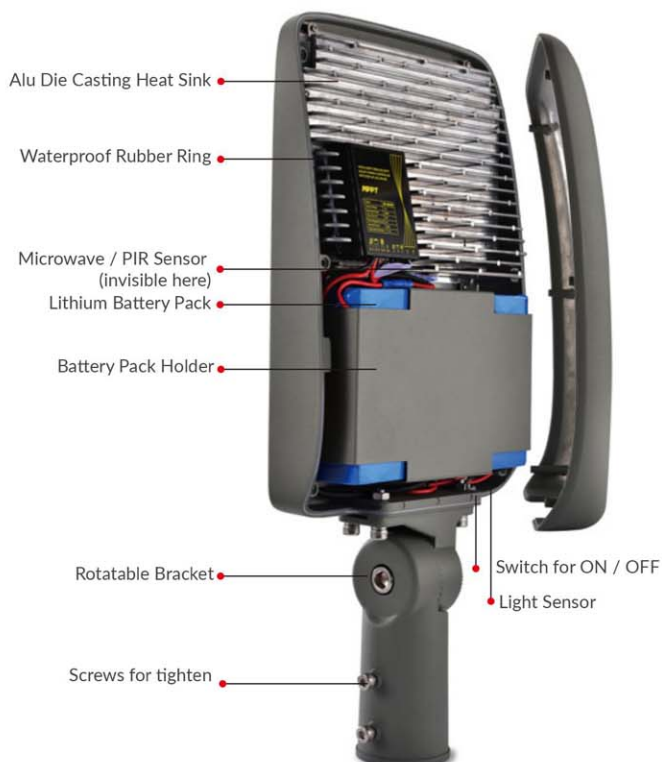
Product Dimensions



Light Distribution Curve



Internal Structure



Solar Street Post (HELI Series)



Order Number	: H02010005
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 Cylinder	: Q100 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	: H03014006
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 Cylinder	: Q140 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	: H05028007
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 Cylinder	: Q140 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 cylinder modules can be customized according to your requirement.



WRAPE 2

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



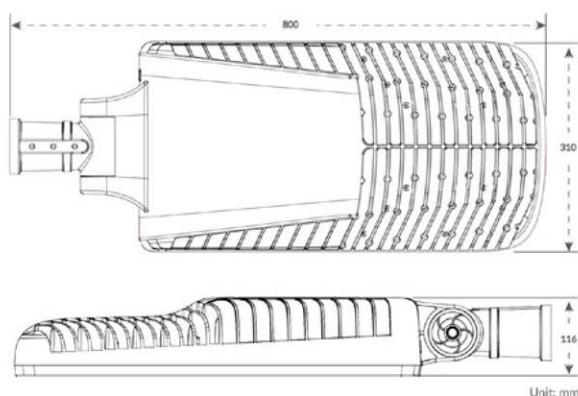
Philips LED



Product Specifications

Model No.	T6	T7	T8	T9	T10	T12
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	>7,800lm	>8,800lm	>10,800lm	>11,800lm	>12,800lm	>15,800lm
Power max	60W	70W	80W	90W	100W	120W
Battery Capacity	840WH	960WH	1080WH	1200WH	1460WH	1680WH
Charge Time	5 Hours					
Discharge Time	>24 Hours					
Control System	Programmable MPPT Controller / Hybrid Controller / Wireless Intelligent Control					
Solar Cylinder	>300W 36V	>300W 36V	>420W 36V	>420W 36V	>560W 36V	>560W 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	3.85Kg	15.80Kg	16.20Kg	17.30Kg	18.30Kg	20.35Kg
G.W/Light	4.15Kg	16.30Kg	17.50Kg	18.50Kg	19.60Kg	21.60Kg
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



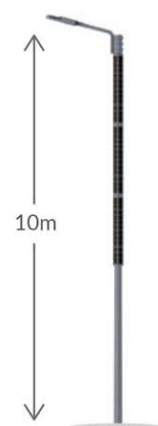
Solar Street Post (TRAH Series)



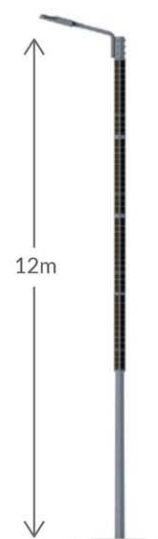
Order Number	:	T06030008
Post Height	:	8 Meters
Light Power	:	60 Watts
Luminous Flux	:	>7,800lm
Beam Angle	:	145°83 °
Battery Capacity	:	840WH
Battery Lifetime	:	> 2,500 Cycles
Solar Cylinder	:	Q100 3 Pcs 300W
Solar Controller	:	Programmable MPPT
Post Dimension	:	120*160mm
Working Temp.	:	-20 C ~ +60 C
Posts Distance	:	20 ~ 30 Meters
Warranty	:	3 Years



Order Number	:	T08042010
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 Cylinder	:	Q140 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	:	T10056012
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 Cylinder	:	Q140 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 cylinder modules can be customized according to your requirement.



Solar

Pole Top Luminaires