



Cylindrical Solar Street Light

SolarWrap

What Is It?

Cylindrical solar LED street post is a advanced combination with latest technology. It adopts the cylindrical solar modules as a revolutionary design in 2020.

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



SolarWrap 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

SolarWrap 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.



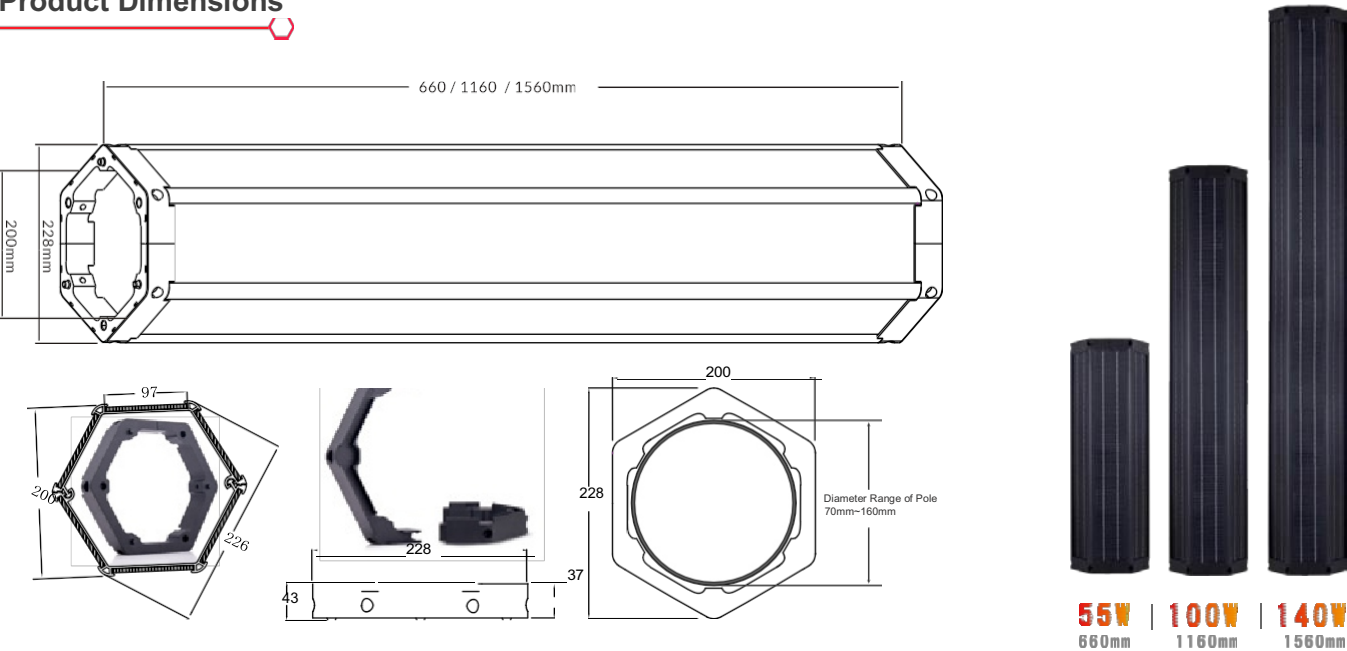
Design Aesthetics

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.

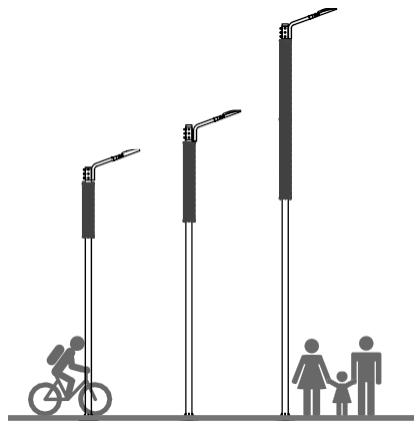
Product Specifications

Model No	GTS55	GTS100	GTS140
Cell type	Mono	Mono	Mono
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	2.5mm ² with MC4	2.5mm ² with MC4	2.5mm with MC4
Operating temperature	-40℃ to +85℃	-40℃ to +85℃	-40℃ to +85℃
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



SMART SOLAR STREET LIGHT
50 | 70 | 80 | 90 | 100 | 120 Watts



Solar LED Street Light

High Power Specially for Express-Way



Key Advantages

ULTRA HIGH LUMENS

Nichia/Cree SMD3030 adopted, 205lm/W from LED and >150lm/w for luminaire 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 SYSTE ★★★★★

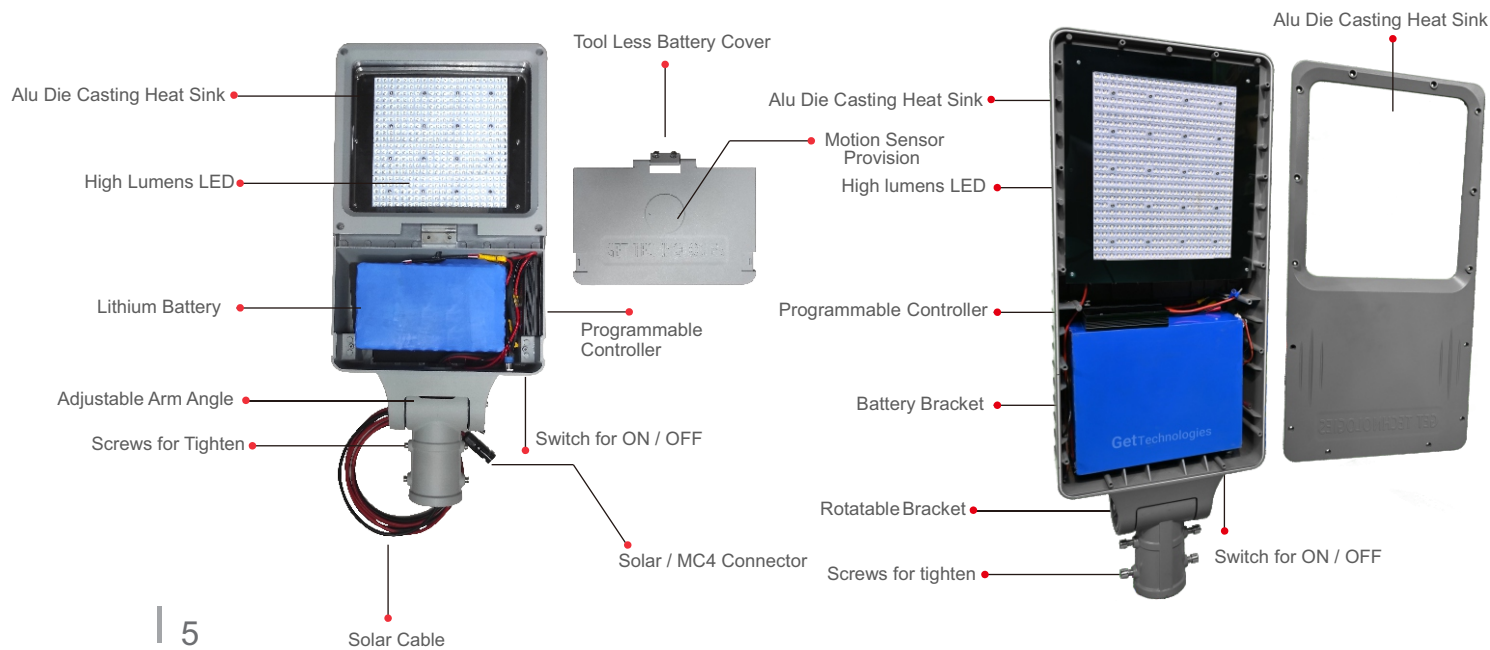
Intelligent control system is available based on 4G technology, Changing lighting working modes or monitoring light status or battery status can be realized via mobile / Ipad / computer anywhere.



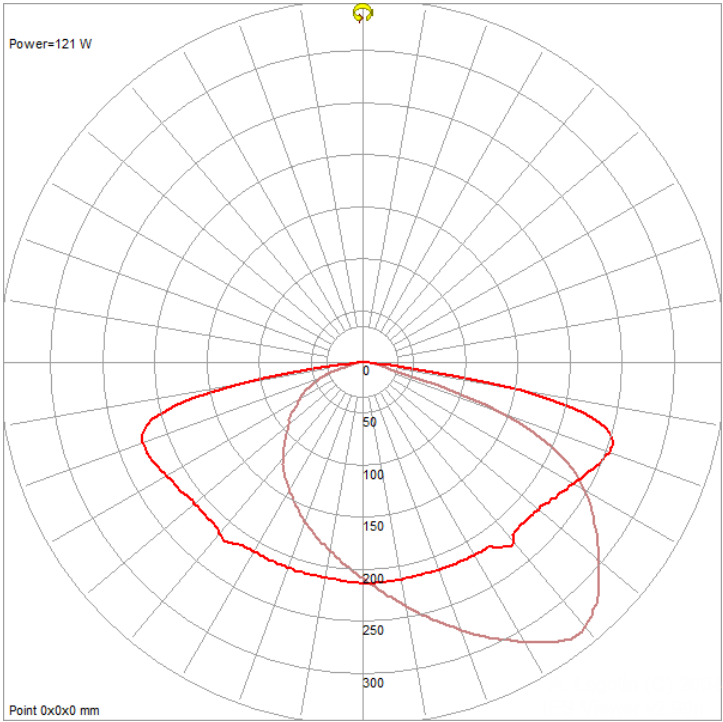
Product Specifications

Model No.	GETGLOW-50W	GETGLOW-70W	GETGLOW-80W	GETGLOW-90W	GETGLOW-100W
Fixture IP	IP66				
Material	Aluminium Die Casting				
LED Type	CREE/Nichia SMD3030				
CCT Range	3000K - 6000K				
Beam Angle	140° * 70 °				
CRI	>80				
LED Chip Efficiency	205lm/Watt				
Power max	50W	70W	80W	90W	100W
Battery Capacity	800WH	1120WH	1280WH	1440WH	1600WH
Charge Time	5 Hours				
Discharge Time	>24 Hours				
Control System	Programmable MPPT Controller / Hybrid Controller / Wireless Intelligent Control				
Solar Cylinder	>200W	>280W	>300W	>400W	>400W
Cell Type	Monocrystalline				
Working Temp.	-20 °C ~ +65 °C				
Control Method	Manual ON/OFF / Automatically ON/OFF / Time Control				
Lighting Modes	100% Continuous lighting / Energy saving /Motion Sensor/Customized modes.				
N.W/Light	8.85Kg	10.80Kg	12.20Kg	17.30Kg	18.30Kg
G.W/Light	9.15Kg	11.30Kg	13.50Kg	18.50Kg	19.60Kg
Certificates	CE, ROHS, IP66, IK10 ,LM79,LM80				

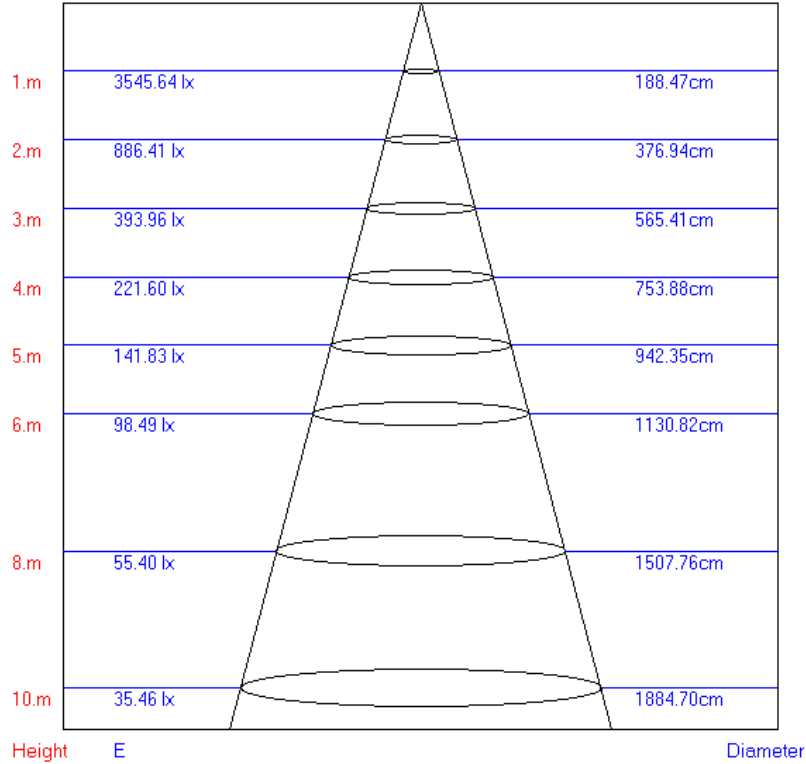
Internal Structure



Photometric Curve (100W)



Lux- Distance Curve (100W)



Cylindrical Solar Street

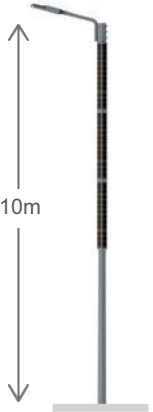


Post Height	:	8 Meters
Light Power	:	50 Watts
Luminous Flux	:	>7,500lm
Beam Angle	:	140*70 °
Battery Capacity	:	800WH
Battery Lifetime	:	> 2,500 Cycles
Solar Cylinder	:	GTS100 2 Pcs 200W
Solar Controller	:	Programmable MPPT
Post Dimension	:	120*160mm
Working Temp.	:	-20°C ~ +60°C
Posts Distance	:	20 ~ 30 Meters
Warranty	:	3 Years

Post Height	:	10 Meters
Light Power	:	70 Watts
Luminous Flux	:	>10,500lm
Beam Angle	:	140*70 °
Battery Capacity	:	1120WH
Battery Lifetime	:	> 2,500 Cycles
Solar Cylinder	:	GTS150 3Pcs 450W
Solar Controller	:	Programmable MPPT
Post Dimension	:	120*160mm
Working Temp.	:	-20°C ~ +60°C
Posts Distance	:	20~ 35 Meters
Warranty	:	3 Years

Post Height	:	12 Meters
Light Power	:	100 Watts
Luminous Flux	:	>15,000lm
Beam Angle	:	140*70 °
Battery Capacity	:	1600WH
Battery Lifetime	:	> 2,500 Cycles
Solar Cylinder	:	GTS100 4Pcs 400W
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.





CONTACT US

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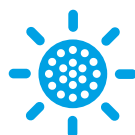
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