

GT LED LIGHTS

Extrabright Street Lights Series

Innovative specification grade fixtures
utilizing today's most energy efficient
light sources



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High efficient GETGLOW Series street light can meet high level illumination requirements, long lasting and stable performance make this design most popular for high ambient temperature environment. Enhanced optic lens, makes this IP66-rated area luminaire the most versatile to date, providing exceptional lighting performance, better uniformity and reduced total cost of ownership in variety of applications, 1-90 degree angle adjustment, motion sensor, advanced thermal management system contributes to unparalleled lumen maintenance.



Applications

- Highways & Expressways .
- City main traffic roads.
- City shopping & commercial roads.
- Industrial roads.
- Residential streets .





Specifications

Item Code:	GETGLOW-50W	GETGLOW-90W	GETGLOW-120W	GETGLOW-150W	GETGLOW-180W	GETGLOW-200W	GETGLOW-250W
Total System Consumption(W):	50	90	120	150	180	200	250
Working Voltage:	AC 100-277V						
Power Factor:	>0.95						
Total Harmonic Distortion(THD)	<15%						
Driver & Driving Current	Mean Well , Philips, Inventronics, Get Technologies, Constant current Driver 700mA/1050mA						
Luminair Luminous Flux(Lm)	7500	13500	18000	22500	27000	30000	37500
LED Chip used:	Cree/Nichia/Lumileds						
Color Temperature:	3000-3500K/4500-5000K/6000-6500K						
Junction Temperature:	>80%						
Working Temperature:	-40~+50°C						
CRI:	>70						
Classifications:	IP 66 ,IK 09						
Surge Protection:	10 KV						
Fixture Material:	Housing :Die cast Aluminum Gasket :Heat Resistant Silicon Rubber Glass :Tempered Glass						
Light Distribution Pattern:	Lens: Type I, Type II, Type III						
Installation:	48 - 65mm pole, 1-90 Degree angle adjustment						
Recommended Height	<15m						
Fixture Color:	Gray						
Life Span:	>60,000 hours,70 % lumen maintenance (Ta=35°C)						
Future Upgradation:	Enough Driver Compartment Space for Li-Ion Battery and Solar charge Controller for future up gradation to solar system						

Unique Features/BOQ Specifications

Power Tolerance Range :Driver input voltage range is 100-277V

Operating Ambient Temperature :Light can perform at -40°C~+50°C

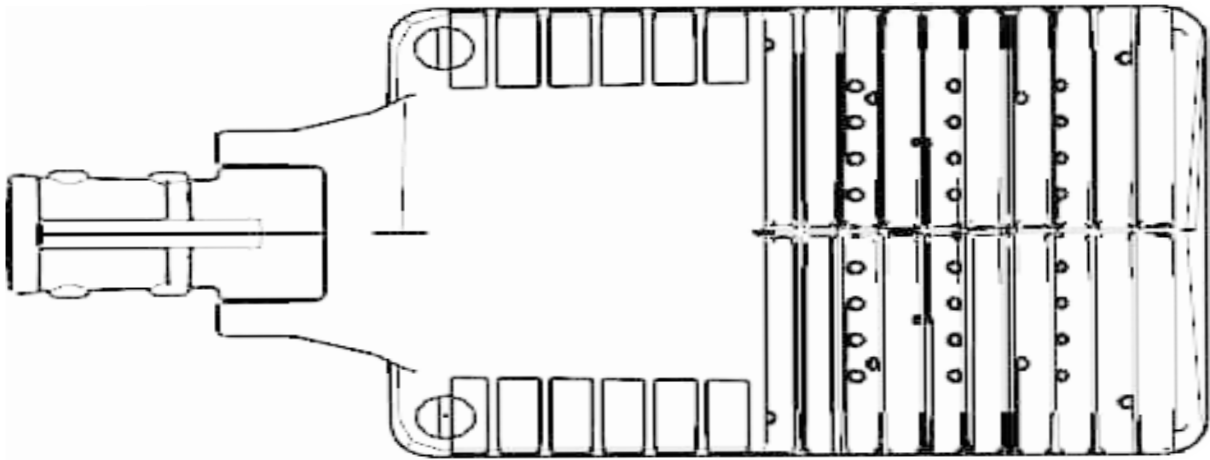
Driver Power Quality :Power Factor is >0.95 and THD<15%

LED Chip :Cree/ Nichia/ Lumileds

Light Efficiency :Very high luminous efficiency of LED Chip >190 Lm/Watt & Luminaire output >150Lm/Watt.



Light Design & Drawing



Solar LED Street Light

High Power Specially for Express-Way



Key Advantages

ULTRA HIGH LUMENS

Nichia/Cree SMD3030 adopted, 190lm/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 be 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



Nichia/Cree LED



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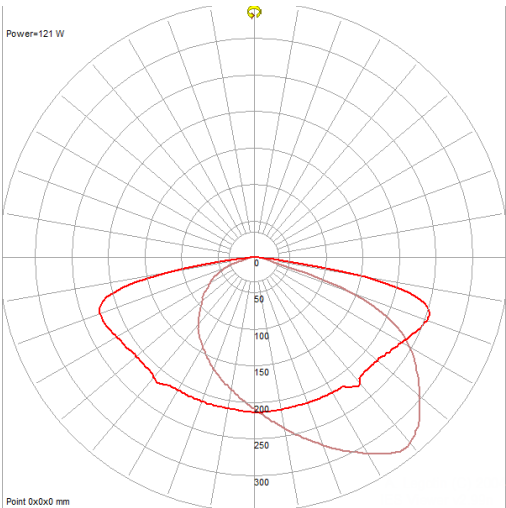
Product Specifications

Model No.	GETGLOW-50W	GETGLOW-70W	GETGLOW-80W	GETGLOW-100W	GETGLOW-120W	GETGLOW-140W
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	190lm/Watt					
Power max	50W	70W	80W	100W	120W	140W
Battery Capacity	614WH	691WH	768WH	921WH	1075WH	1254WH
Charge Time	5 Hours					
Control System	Programmable MPPT Controller / Hybrid Controller / Wireless Intelligent Control					
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	20.18Kg	21.27Kg
G.W/Light	9.15Kg	11.30Kg	13.50Kg	18.50Kg	21.60Kg	22.70Kg
Certificates	IP66, IK-09, LM79, LM80, LVD, EMC, UL,					

Internal Structure



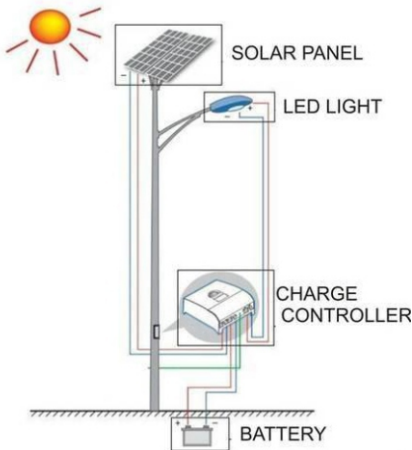
Photometric Curve (100W)





Solar Street Light Functions overview & Comparison:

Traditonal with separate Battery and Controller



SOLAR LIGHT WITH SEPARATE COMPONENTS

Traditonal All in one Solar Solution



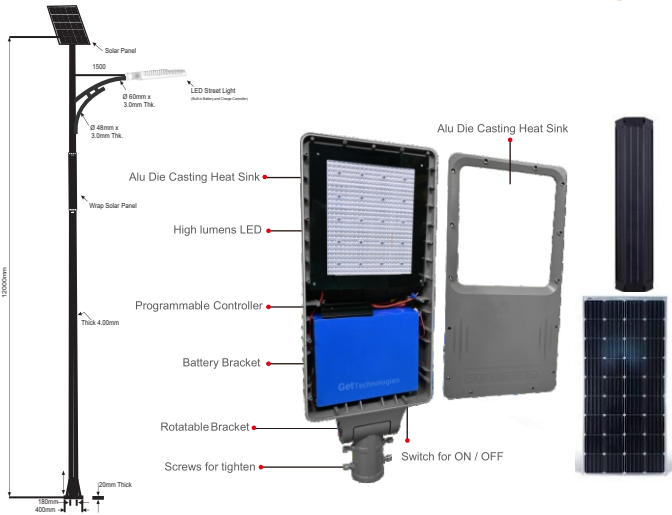
SOLAR, BATTERY & CHARGE CONTROLLER
INTEGRATED SOLAR LIGHT (ALL IN ONE)

Traditonal with Solar Plate on Pole Top



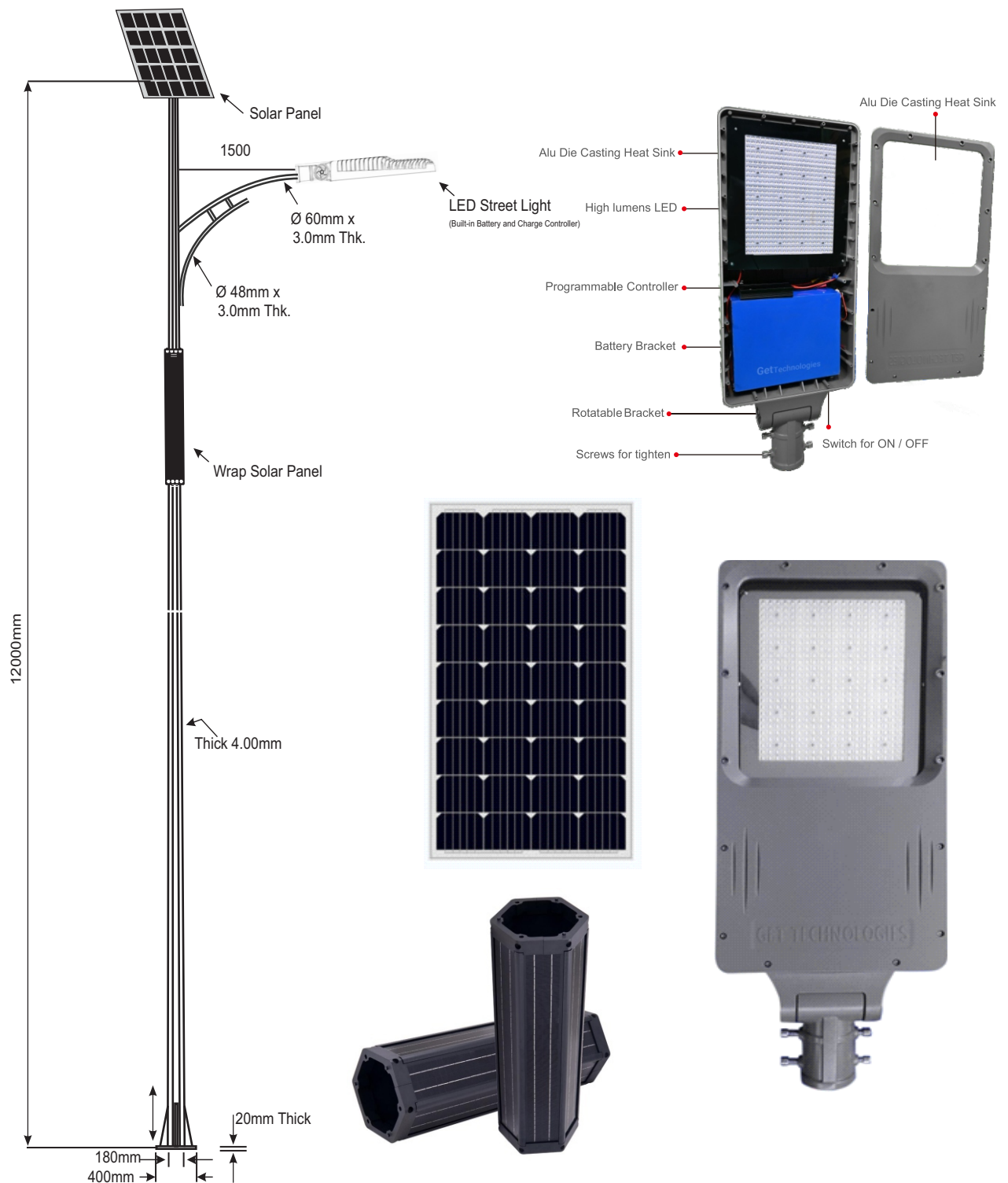
BATTERY & CHARGE CONTROLLER
INTEGRATED SOLAR LIGHT (ALL IN TWO)

GetTechnologies Exclusive State of the art Design



BATTERY & CHARGE CONTROLLER
INTEGRATED HYBRID WRAP AND PANEL SOLAR LIGHT

BOQ Specifications of High Efficient Solar Street Light



- **LED Technology:** Equipped with 480 high-performance 3030 LEDs, offering superior lumen efficacy and extended lifespan.
- **Adjustable Arm Angle:** Allows for variable road width distribution, ensuring uniform light coverage.
- **Battery:** Integrated housing accommodates a 1075 Wh LiFePO4 battery, featuring the latest in battery technology for enhanced durability and safety.
- **Battery Integration:** LiFePO4 battery is built directly into the housing for a streamlined design and efficient energy management.
- **MPPT Controller:** Includes an advanced Maximum Power Point Tracking (MPPT) controller with intelligent features such as dimming, auto ON/OFF, and customizable time and brightness settings.



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.



1. Project Overview:

Provide, install, test, and commission solar street lights ranging from 100 to 120 Watts. The LED chip efficiency should exceed 195 Lumens per WaWatt.

2. Housing Features:

- Die-cast aluminum housing with integrated compartments for inbuilt Lithium Battery and Solar Charge Controller.

- $\pm 60^\circ$ arm angle adjustment capability for flexible installation.

3. Performance Requirements:

- IP66 Ingress Protection rating for durability and low maintenance.

- Impact resistance of IK08 or higher for reliable performance in outdoor environments.

4. Solar Charge Controller:

- MPPT (Maximum Power Point Tracking) controller with four-step dimming options to optimize energy usage based on traffic conditions and auto ON/OFF feature.

5. Battery Specifications:

- Lithium Iron Phosphate (LiFePO₄) integrated into the housing to prevent theft and simplify maintenance.

- Import documentation (Goods Declaration) required for lithium cells or batteries.

***(Li Ion Battery or any rejected lot cell or old cell battery will not be acceptable)**

6. Solar Panel Details:

- Mono crystalline or Polycrystalline solar panel with vertical wrap mounting to resist dust and maximize charging efficiency with combination of solar panel top of pole.

7. Solar Panel Structure:

- Angle adjustable solar panel structure with galvanization or powder coating treatment.

These specifications are designed to ensure the delivery of reliable, energy-efficient, and long-lasting solar street lighting suitable for diverse outdoor settings and varying traffic conditions.

Pioneer of LED Lighting Technology in Pakistan

GetTechnologiesTM

Powering a Green Tomorrow

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