



GLOBAL SYSTEM LIGHTING CO., LTD.

SSL-60 | SMART SOLAR ROAD LIGHTING

SmartSplit Solar Street Light

Battery in the Pole. Power Where It Belongs.

A cleaner, safer and more maintainable solar road-lighting architecture for public infrastructure.

No external battery box. The LiFePO₄ battery is secured inside the pole for cleaner installation and reduced exposure.



60W LED

road lighting
output



**≥9,600
lm**

theoretical
output



**150W
Bifacial**

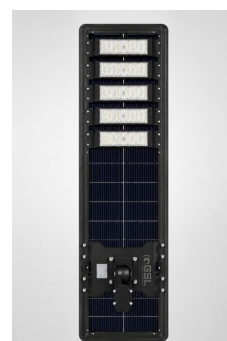
solar panel



**75Ah /
12.8V**

LiFePO₄
battery

Urban Roads | Public Parks | School Zones | Remote
Communities



Actual SSL-60 Product

Integrated Solar + LED Architecture | Battery Secured Inside Pole

SmartSplit SSL-60

Engineered for Secure Off-Grid Lighting

Actual Product Views



Solar Panel Face



LED Module Face



GSL Battery Module

System Configuration

3,000 mm battery pole
2,000 mm / Ø140 upper pole
1,000 mm outreach arm / +15°

Battery Inside Pole

Protected. Secured. Serviceable.



Service Door

Anti-vandal lockable maintenance access

GSL LiFePO₄ Battery

75Ah / 12.8V module inside pole

MPPT Controller

Protected control system inside pole

Internal Cabling

Protected electrical connection architecture

SECURED

PROTECTED

CLEAN

SERVICEABLE

Technical Specifications

Model	SSL-60
LED Power	60W
Theoretical Output	≥9,600 lm
LED Chip / CCT	Philips 3030 / 2700K-6500K
Solar Panel	150W Mono Bifacial
Panel Size	1775 × 398 mm
Battery	LiFePO ₄ , 75Ah / 12.8V
Controller	MPPT / IP68
Luminaire Protection	IP66
Battery Position	Inside pole

*Autonomy depends on solar conditions, operating schedule and lighting profile.

Applications

- Urban Roads
- Local Roads
- Public Parks
- School Zones
- Rural Roads
- Remote Communities
- Public Facilities
- Government Projects



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