

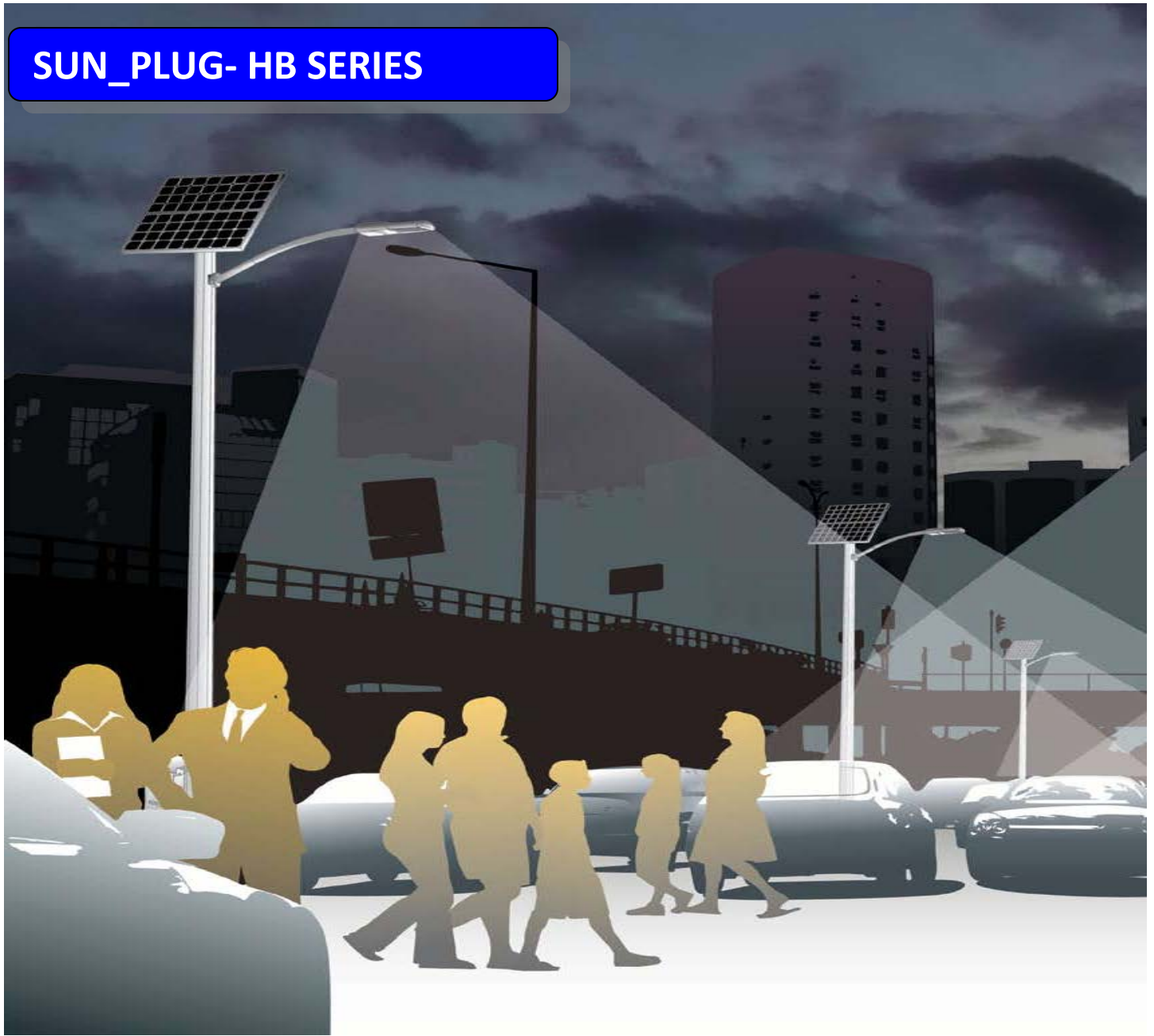


# Glow Energy Transmission

An ISO 9001:2008 Certified Company

## SOLAR STREET LIGHTING SYSTEM LED – 24 WATT

### SUN\_PLUG- HB SERIES



## Street & Parking Lot Lighting

Solar HB series LED street lights present the perfect and cost-effective solution for security, roadways, Hi-ways, inner street roads and other general area lighting applications. Solar LED streetlights provide the capabilities of AC powered illumination in a solar lighting solutions

Due to their low power consumption and very long life-span, (>50,000 hrs) LED Street lights are a good alternative to HPSV (High pressure Sodium vapour) CFL ( Compact Florescent Lamp ) or MH (Metal Halide ) Unlike LPS lamps that produce a yellow-orange light, Solar street lights using LED technology generate a very powerful and targeted crisp white light of excellent quality, which significantly improves color rendition and night visibility.

## Specification

### **General**

Model	LSS-15024D
Application	Solar Powered Lighting, Outdoor use
Daily hours of operation	12 Hrs (DTDC)
Autonomy	3 Days
Light Output	2400 Lumens
Light Coverage @ 5M pole height	16 mtr X 6 mtr, Min. 20 Lux Center Point

### **Sytem Components**

PV Module @ 16.4 V STC	12V 150Wp (75WpX2 Nos.) Mono/Poly Crystalline
Battery	12V 75 Ah VRLA Gel
Luminaire(LSL-12122A)	24W LED Luminaire (1Wx24Pcs),Aluminium Die cast weather,water proof (IP-65 Rated)
Solar Charge Controller	Inbuilt to luminaire,Charging current Max 10A
Erection Pole	NB 65, 6 mtr. Length, mild steel, Galvanized
Battery Enclosure	Pole mounting type, plastic PP

### **Electrical**

Luminaire (LSL-12122A)	Boost converter,Efficiency>85%, Frequency 30 khz
Lamp Type	High efficiency & long life white LED
Rated LED life	>50,000 burning Hrs
Solar Charge Controller	Series,Two step, PWM operation,Efficiency>95%,idle current<5mA
Display/Indications	Battery low warning,battery low disconnect,battery charging,battery full charge
Load side protection	No load protection,short circuit protection,reverse polarity protection
Battery side protection	Reverse Polarity,over charging,deep discharging,battery temp. compensation
PV Module side protection	Reverse polarity,reverse current flow to PV Module during light



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