

Solar Lighting Solutions

The following solar street and highway lighting systems are functional stand-alone widely distributed power supply solutions, without geographical restrictions. They are not inhibited by any type of terrain or locations for installations, without the need of major excavations as with the power supply cable from the local national electricity grid system to supply that power.

Solar Lighting System -01



Model	Discovery	
Input voltage	DC12-24V	
Power factor	>90%	
Work mode choice	Constant Temperature Automatical, Days Control Saving, Light Control Start"	
LED power	21W	
LED light efficient	>90LM/W	
Total luminous flux	2100LM (Tj25°C)	
Lamp output luminous flux	1895Lm	
Lamp light efficient (%)	>0.90	
Average lumination intensity grade(E)	(Hight=6M) ≥ 6.0Lux	(Hight=5.5M) ≥ 6.5Lux
lumination are distribution	20X8M(Hight=6M) 34X14M(Hight=10M)	27X11M(Hight=8M) 40X16M(Hight=12M)
Color temperature	White:5000-6500K warm white:2800-3500K	
Coloration index	Ra>75%	
Lamp-house	LED (1w 3W)	
Work life	>50000Hrs	
Lamp material	PC Die-casting aluminium and PC	
Defend grade	IP65	

Solar Lighting Features

Height: 7M-9M- hot galvanized tapered or straight poles, surface treated.

System voltage: DC12V/24V

Suitable light source: High power LED, low pressure sodium with or without electrode lamps.

Working each day: 4-12hours (can be designed into a full power illumination mode or an energy-saving mode as required by the customer.)

Number of overcast days: 2-7

Total luminous flux: 1500Lm~6500Lm

Luminous efficiency: 70Lm/W~150Lm/W

Luminance: 15Lux~38Lux (options available).

Wind Resistance: 135.8ft/s

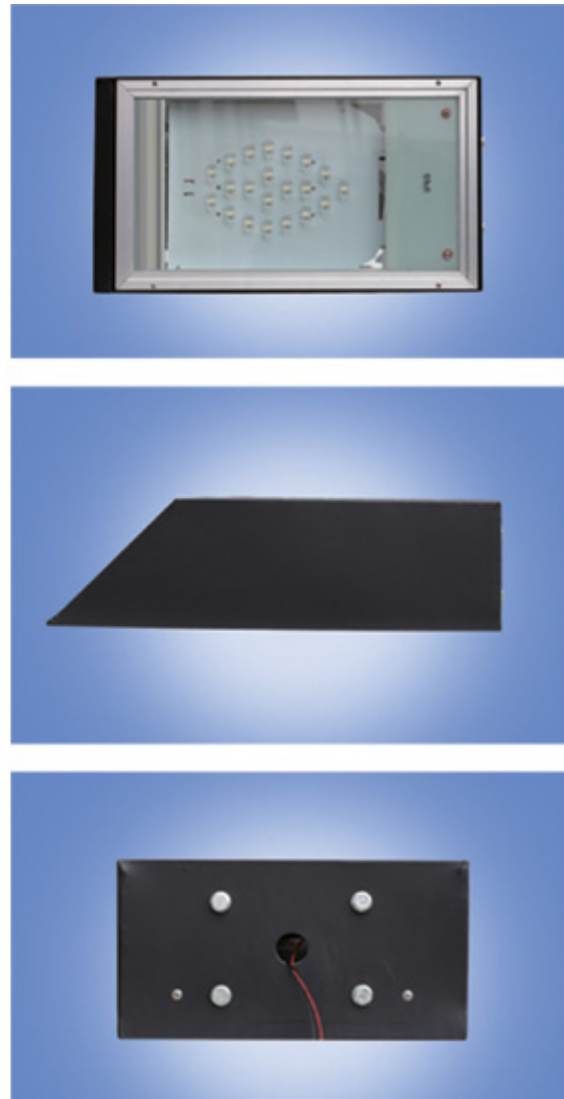
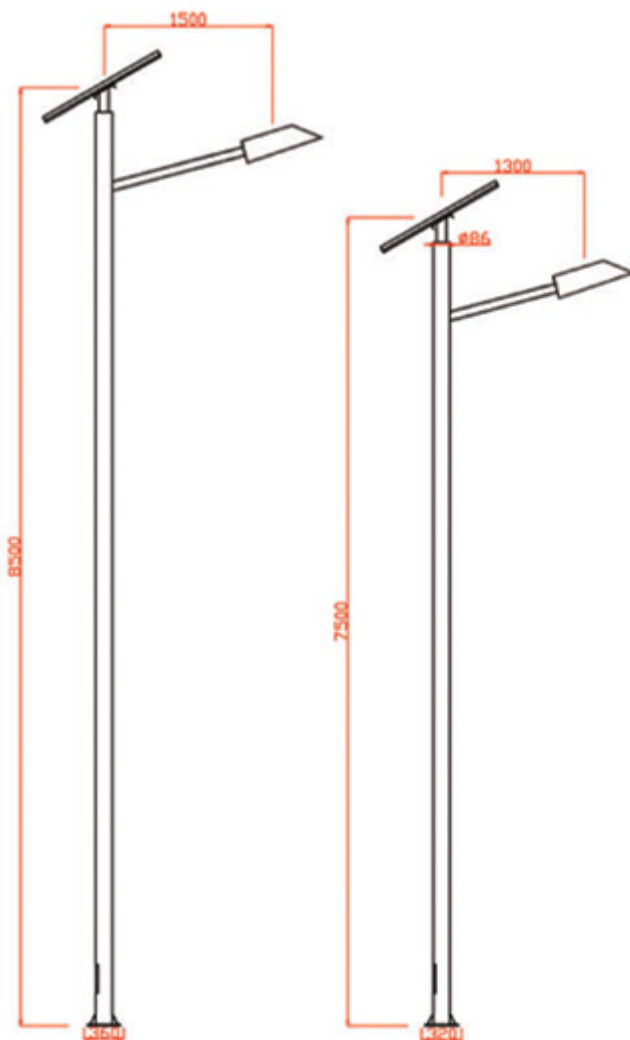
Service temperature: -100) ~140)

Cell panels: Single / polycrystalline silicon solar cell panels with high conversion efficiency, long life expectancy.

Valve-Controlled: sealed maintenance-free gel, lead-acid storage batteries, for solar energy, long life expectancy.

Controller: Microcomputer intelligent waterproof controller with many functions such as anti-overcharge, anti-over discharge, light control and time control, long life expectancy.

Cabinet: Mould-pressed, forming a fully sealed waterproof, insulated, long life expectancy.



The configuration above is for reference only and the actual configuration is designed according to the local climate conditions and the customer requirements.