

Solar Lighting Systems 15-18



Lighting System Specifications

Model	Patriot
Input voltage	DC12-24V
Power factor	>90%
Work mode choice	Constant Temperature Automatical, Days Control Saving, Light Control Start"
LED power	42W
LED light efficient	>90LM/W
Total luminous flux	3680M (Tj25°C)
Lamp output luminous flux	5100Lm
Lamp light efficient (%)	>0.90
Average lumination intensity grade(E)	(Hight=6M) ≥ 24Lux (Hight=8M) ≥ 13Lux (Hight=10M) ≥ 8.5Lux
lumination are distribution	20X8M(Hight=6M) 27X11M(Hight=8M) 34X14M(Hight=10M) 40X16M(Hight=12M)
Color temperature	White:5000-6500K warm white:2800-3500K
Coloration index	Ra>75%
Lamp-house	LED (1w)
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

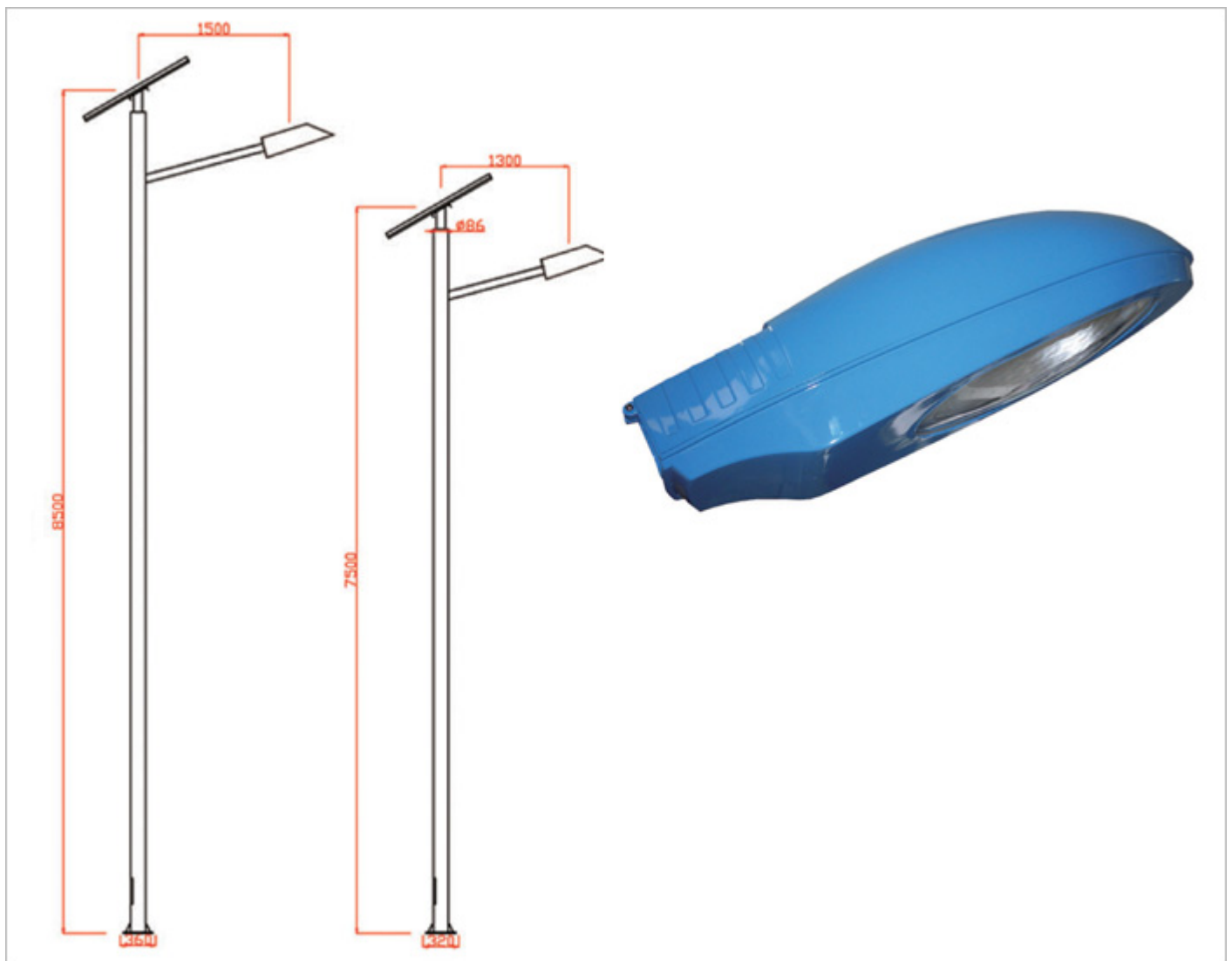
Service temperature: -100) ~140)

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 purposes only and the actual design according to local climate conditions and customer requirements.