

Solar Lighting System 19





Lighting System Specifications

| | |
|---------------------------------------|---|
| Model | Harmonious |
| Input voltage | DC12-24V |
| Power factor | >90% |
| Work mode choice | Constant Temperature Automatical, Days Control Saving, Light Control Start" |
| LED power | 30W |
| LED light efficient | >90LM/W |
| Total luminous flux | 2512LM (Tj25°C) |
| Lamp output luminous flux | 2360Lm |
| Lamp light efficient (%) | >0.90 |
| Average lumination intensity grade(E) | (Hight=6M) ≥ 15Lux (Hight=8M) ≥ 9.8Lux |
| 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 taper or constant diameter pole, surface treatment (other designs available).

System voltage: DC12V/24V

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

Working each day: 4-12 hours (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 days .

Total luminous flux: 1500Lm-6500Lm

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

Luminance : 15Lux-38Lux (can design it as required).

Wind Resistance: 135.8ft/s

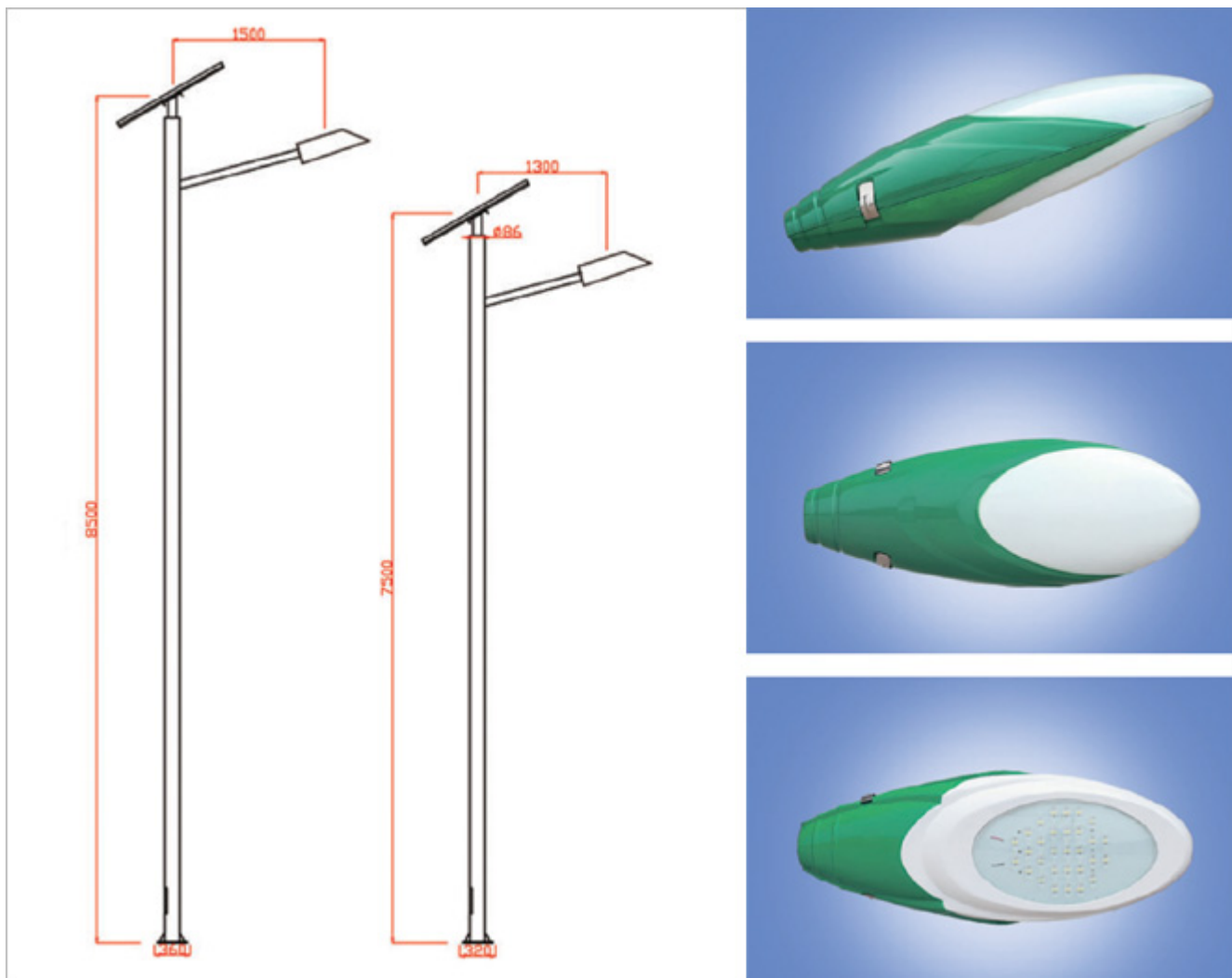
Service temperature: -104→) -158→)

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 such functions as anti-overcharge, anti-over discharge, light and time controller.

Cabinet: Mould-pressed, forming a fully sealed waterproof, good insulation effect, long life expectancy.



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