

A Smart Renewable Energy Solution



All-in-One Solar LED Light

Specifications

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All-in-one Solar Garden / Street Light.



CE RoHS

Advantages:

- Remote control—Simple operation, change to different modes easily.
- Wireless application—Integrated solar panel, LED, lithium battery, micro-controller and other accessories into one system, simple and stylish.
- Micro-computer controlled—Combine motion sensor system, light control system and time control system perfectly, ensure whole system more energy-efficient.
- Easy installation—No trench required, no cables required, easy installation in 10 minutes.
- Solar panel angle adjustable—Rotate 360°, ensure maximum efficiency of solar energy conversion.
- Extreme light—Light efficiency reach 130lm/w, at same illumination, lower watt
- Lithium battery—Adopt lithium battery to replace traditional gel battery, longer lifetime.
- Modular design—All components are modular design and in standardized production.
- Long time working—Working continuously for 4-5 rainy days.
- Low cost—Compared with traditional solar led lights, much lower cost, easy to transport.

Features:

- Beautiful and modern appearance, simple and fashionable.
- Use of solar green energy, environment friendly, saving more.
- Low voltage driving, meet the Europe standard of CE RoHS FCC.
- No Hg, Pb or other hazardous materials, no radiation, human safety.
- IP65 grade, TVS lightning protection.
- Long lifetime of whole lamp, low maintenance costs.

Details:

Monocrystalline



- 18% photoelectric conversion efficiency
- Tempered glass over
- 20-25 years lifetime

High lumen led chip



- 45mil led chip, 150lm/w
- ≥ 75 Ra CRI
- ≥ 50000 hrs lifetime

Smart Controller



- Unique design
- 6 control modes, light control, sensor control, time control, sensor and time control, demo off mode.
- Smart control, saving more and system works

LiFePO4 battery



- High capacity
- Long lifetime, ≥ 2000 times charge & discharge
- High temperature resistance

High quality body



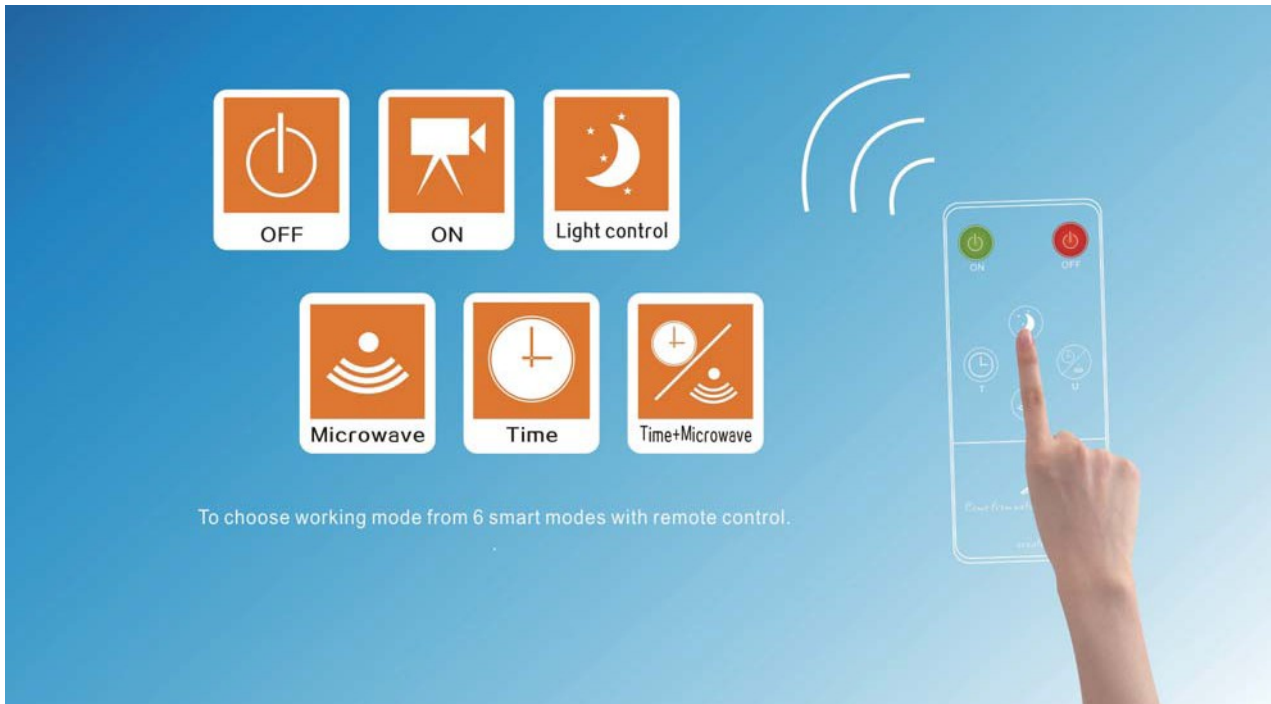
- Aluminum alloy, solid and firm
- Variety of installation methods
- Zinc plated, anti-rust corrosion

"Apple" shape









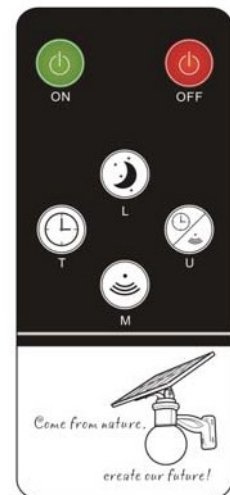
- 95% high light transmittance
- High quality PMMA, long lifetime
- Strip cover, soft lighting for eyes

Remote Control



Six working mode choices

-  **ON:** No matter day or night, light "on" when people close, light "off" after people left.
-  **OFF:** Light "off", no matter day or night.
-  **L:** At night, 100% light when motion detected, 30% light 20s after people left. In daytime, light "off".
-  **M:** At night, light "on" when people close, light "off" after people left. In daytime, light "off".
-  **T:** At night, 80% light for 2 hours, 60% light for another 2 hours, then light "off".
-  **U:** At night, 80% light for 2 hours, 60% light for another 2 hours, then turn to motion sensor, light "on" when people close, light "off" after people left.

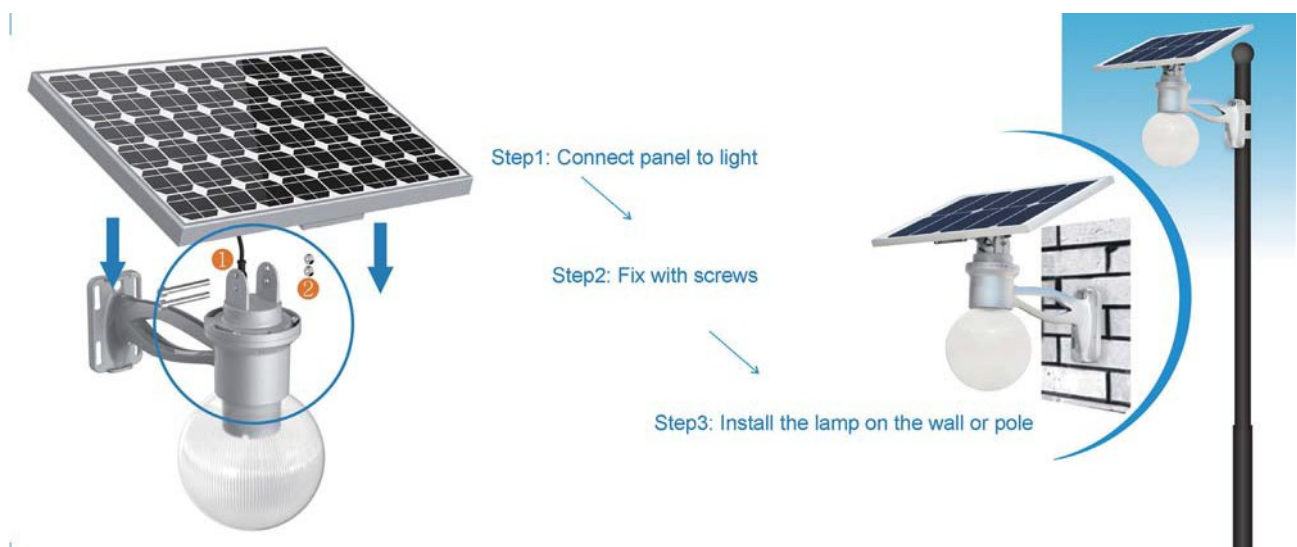


Applications:

Widely used in Park, Villa, Village, Square, Courtyard, Farm, School, Desert, Prairie, Path etc...the places where need outdoor lighting and with enough sunshine.



Easy installation in 10 minutes!



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Solar panel angle adjustable schematic diagram:



Parameters:

Type	HT-SA-1004	HT-SA-2008
Power	4W	8W
Solar panel	12W/5.4V	25W/5.4V
Lithium battery	10AH/3.2V	20AH/3.2V
LED qty	6pcs	6pcs
Luminous flux	500-600 lm	1000-1200lm
LED chip	Bridgelux	
Color temperature	3000-6500K	
CRI	>75Ra	
Light control voltage	1v	
Illumination (stand by)	30%	
Sensor area	<10meters	
Lighting last	20s	
Charge time	6hours	
Discharge time	24hours	
Working temperature	-20-60°C	
Lifetime	≥50000hours	
Material	High quality aluminum alloy, die-cast aluminum	
Mounting height	2.5-4meters	
Installation spacing	5-10meter	

The data of its working time was measured at latitude 22 °, 113 ° east longitude in sunny days. The working time will be affected by the surroundings.

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Instructions:

- Solar Apple light lamp, need solar power to charge battery, please select appropriate model based on local sunshine conditions.
- Please avoid solar panel be block by building, trees or other obstructions, otherwise it will reduce efficiency of solar panels working, resulting in lower efficiency of system.
- Charging temperature of Lithium battery is 0 to 55°C , the discharging temperature is -20 to 60°C , make sure that ambient temperature is in this range when used, avoid damage to lithium battery.
- Please cleaning surface of solar panels regular, such as dirt, leaves, oil, etc., ensure high photoelectric conversion efficiency.
- Cleaning snow of solar panel surface timely in winter.

List of accessories

- 304 expansion screws & spacer & nut.....4sets
- Fixed the back light pole.....1pc
- 304 hexagonal screw(M6*70) & nut.....2sets
- 304 hexagonal screw(M6*12).....3pcs
- Hexagon wrench M5.....1pc
- Open spanner M14.....1pc
- Remote control.....1pc