



bluesmart

Smart Solar Street Light

MOON LIGHT SERIES

The perfect & hassle free solution for keep your street or garden lit. Bluesmart's classic solar powered street garden light, well-built solar moon light favored by consumers.

SPECIFICATIONS 2017

BLUESMART

Light up the world with our heart

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All In One Smart Solar Moon Light



Modern fashion design
Humanize Intelligent light-sensitive
Soft Moon Light

Feature:

- ▶ Modern appearance, fashionable moon-shaped led lamp, IKEA's style.
- ▶ 100% solar powered, say goodbye to darkness in the evening and costly electricity bills.
- ▶ Easy installation in 2 minutes. No wiring, no cords or plugs are needed. Hardware is included for pole or wall mounting.
- ▶ On at dark and off at dawn, illuminates to very bright at movement and then back to normal power after movement ceases.
- ▶ No Hg, Pb or other hazardous materials, no radiation, safe to human body.
- ▶ Charges in 6 to 8 hours at direct sunshine and lasts 5-7 consecutive working days on prolonged rainy days.

YOU MUST KNOW THE SECRET OF SOLAR MOON LIGHT

Advantage:

▶ 360 Adjustable Solar Panel

Solar Panel angle adjustable in vertical and horizontal direction, ensure maximum efficiency of solar energy conversion.

▶ Modular All in one design

Put all components in one kit, easy to sell, transport, install, maintenance.

▶ Microwave sensing technology

With microwave motion sensor, people come full brightness, people go far dim, motion sensor area is up to 10m, more humanize, more energy-saving.

▶ Wireless Remote Control System

Operated by remote control, has a total of six modes, 4 intelligent working modes, 1 test mode and OFF.

▶ No changing bulbs

Uses LEDs, which consume up to 85% less energy and last 20 times longer than incandescent bulbs.

▶ IP 65 waterproof, TVS lighting protection

▶ CE ROHS FCC approved, European quality

▶ 50,000 hours life. 3 years warranty

Solar panels can be adjusted 30/60/90 degrees
mors convenient receiving solar energy



3 holes to fix at 30/60/90 degree adapt to global

EASY FOR INSTALL, MANTAINCE'S ALL IN ONE DESIGN

High Efficiency Mono Panel

high efficiency mono crystal A grade components, photoelectric conversion efficiency >18%

Patented Industrial Aesthetics Design

Aluminum-magnesium alloy die-casting arm, wind resisatnce up to grade 12. Surface polishing, piano paint, seiko level, anti-corrosion, beautiful and durable.

Easy installtaion in 2 minutes

No wiring, hardware is included for pole or wall mounting.

LiFePO4 Lithium Battery

High capacity, ≥ 2000 times charge & discharge circle time, 5-8years life-time, high temperature resistance, no pollution and stable.

360 Adjustable Solar Panel

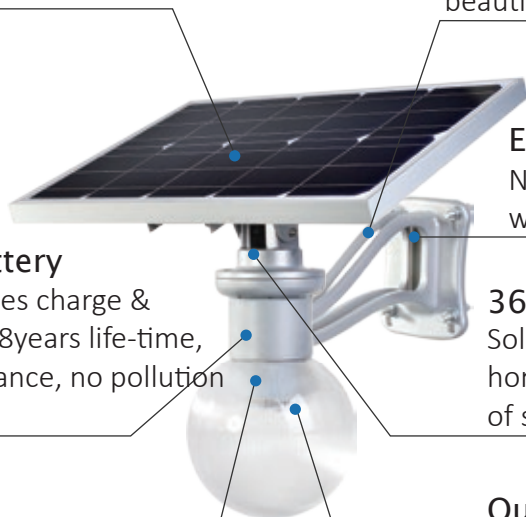
Solar Panel angle adjustable in vertical and horizontal direction, ensure maximun efficiency of solar energy conversion.

High Efficiency Led Light

Multi-core led light efficiency up to 180lm / w, increased by 50% compare to ordinary 120lm/w.

Outdoor Anti-UV PMMA lampshade

Hard and durable , 95% transmittance, no dazzling, soft lighting for eyes, help provides greater luminous uniformity.



Details:

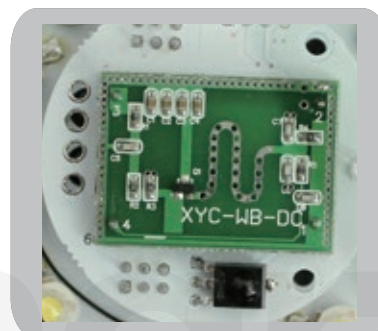
High Efficiency Mono Panel >18%



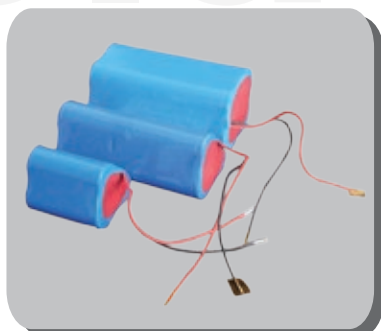
High Efficiency Led Light 180lm / w



Unique Smart Controller



LiFePO4 Lithium Battery ≥ 2000 times circle time



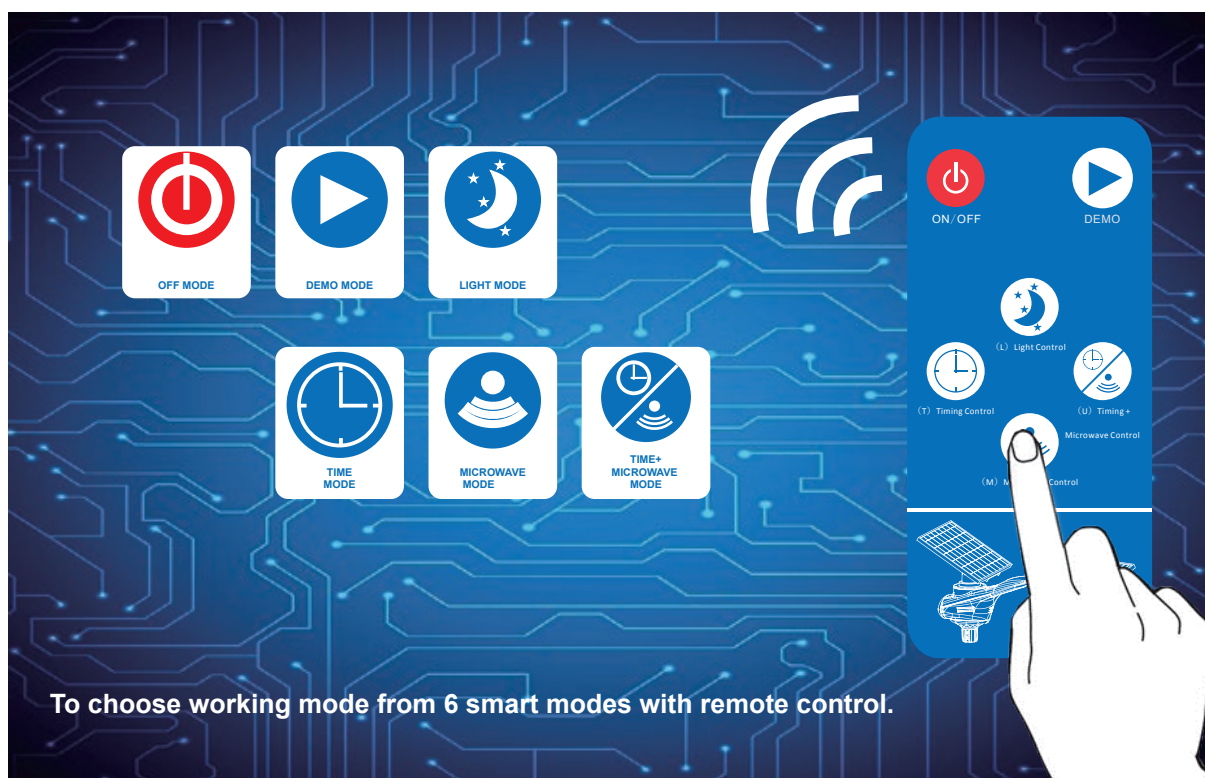
Patented Industrial Aesthetics Design



360 Adjustable Solar Panel Panel apply to global



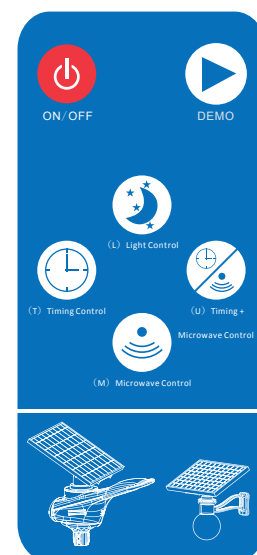
HUMANIZE INTELLIGENT REMOTE CONTROL TECHNOLOGY



Six working mode choices

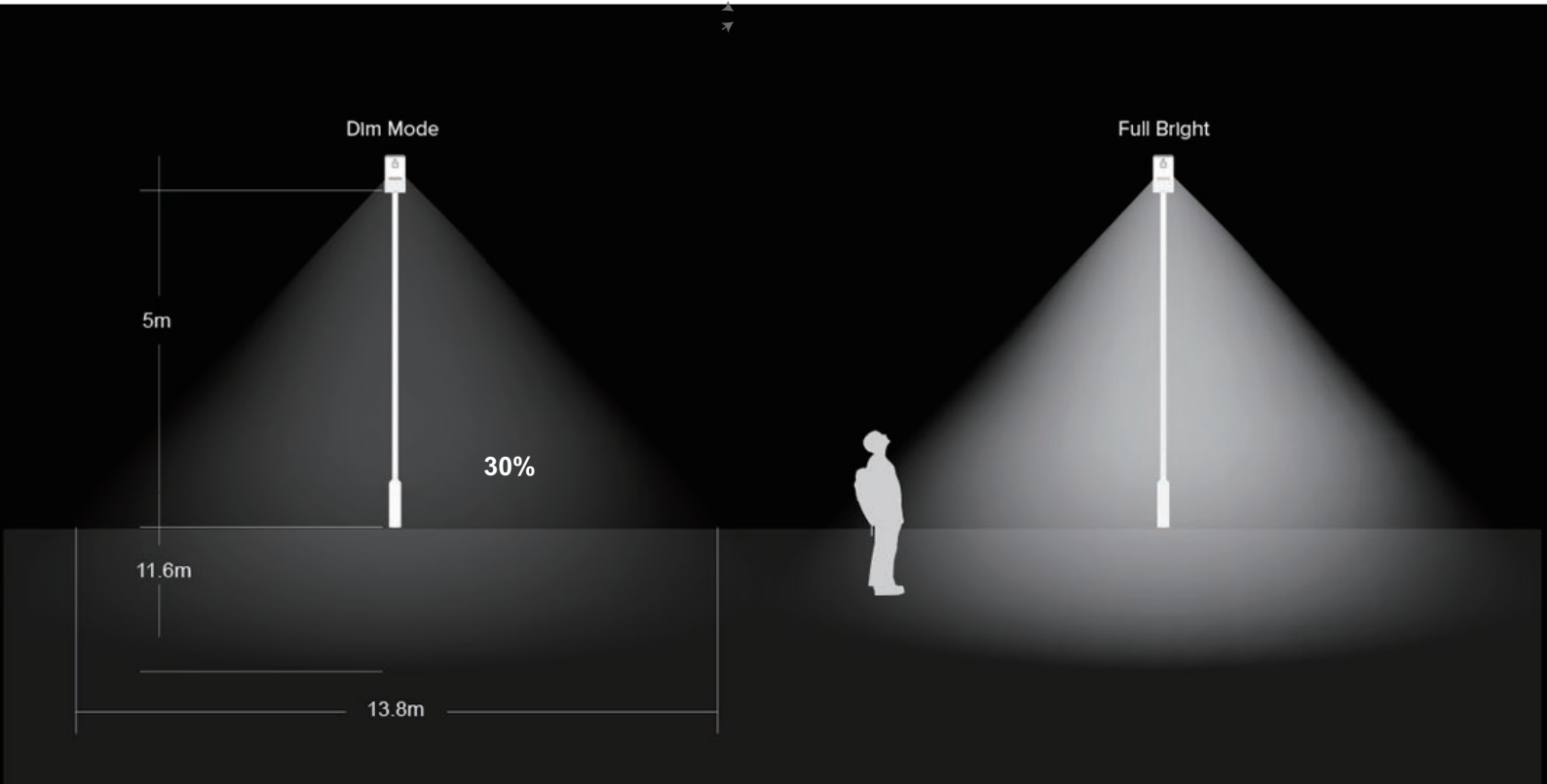
-  **DEMO:** No matter day or night, light "on" when people close, light "off" after people left .Only for test use.
-  **OFF:** Light "off", no matter day or night.
-  **L:** On at dark and off at dawn, lighting all night
-  **T:** Light on at dark, lighting off after 6 hours
-  **U:** Light on at dark, microwave motion sensor functions start after 6 hours; it can increase to 100% brightness when it detects movement, and recover after they leave.
-  **M:** Light on at dark, meanwhile microwave motion sensor functions start, it can increase to 100% brightness when it detects movement, and recover after they leave.

Remark: Default is M mode, you can choose the best mode according to different sunshine condition.



THE FOURTH GENERATION OF MICROWAVE SENSING TECHNOLOGY

With the addition of smart motion sensor, illumination levels will automatically regulated, from a 'dim-mode' to 'full-brightness' depending upon whether motion is detects movemnt within several meters of the solar lights.



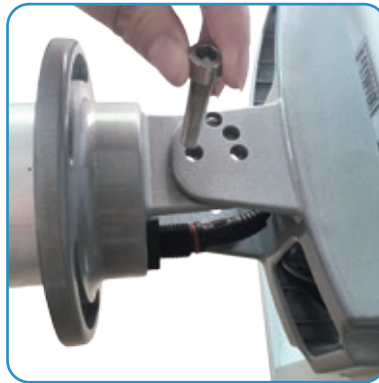
θ (Angle)	h (Height)	d (width)
70°	5m	15m

- 1. Sensor area tested from a person at the average height of 1.6~1.7m, walking speed for 1.0~1.5 m per second. If testing standard different, sensor area will be different.
- 2. Sensor functions are greatly influenced by metal environment, so pls install it far away metal block.
- 3. Sensor against the metal block in front of it.
- 4. Sensor can get through glasses, wood board, plasterboard and other non-metallic object.
- 5. Sensor should be installed under 6m height.

Installation steps:



Step 1:
Connecting the cables



Step 2:
Fixing the solar panels
and brackets



Step 3:
Fixing the solar panel, adjust
angle on the vertical for 270°



Step 4:
Adjusting angle on the
horizontal for 360°



Step 5:
Using 2 pcs anchor ear mount on
pole (for pole)

Easily installation:



Step1: Connect panel to light

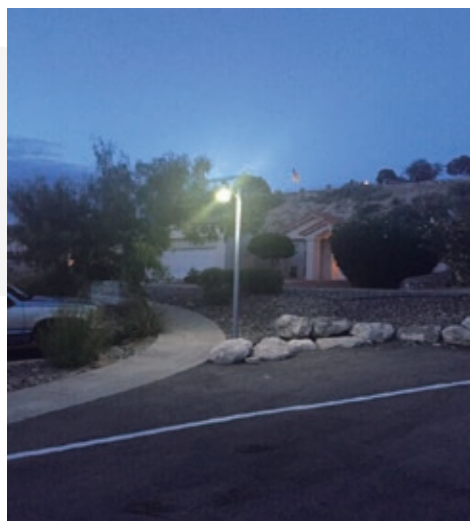
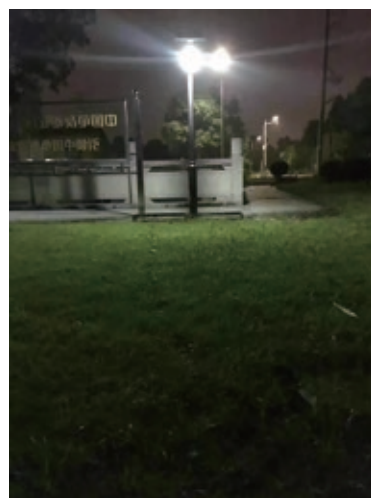
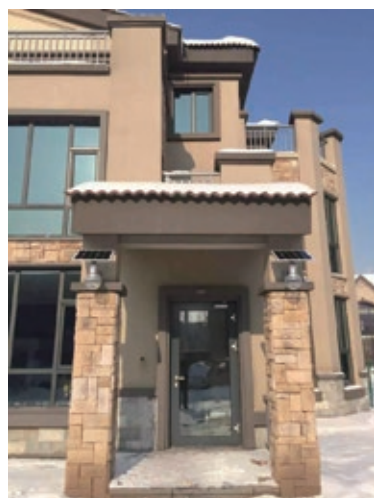
Step2: Fix with screws

Step3: Install the lamp on the pole



APPLICATION:

this solar moon light can be used for a variety of outdoor lighting applications, as long as it can receive direct sunshine, perfect for Private Garden & village, Public areas & Parks, Residential Community light center, Parking lot, Streets, new rural road construction ect.

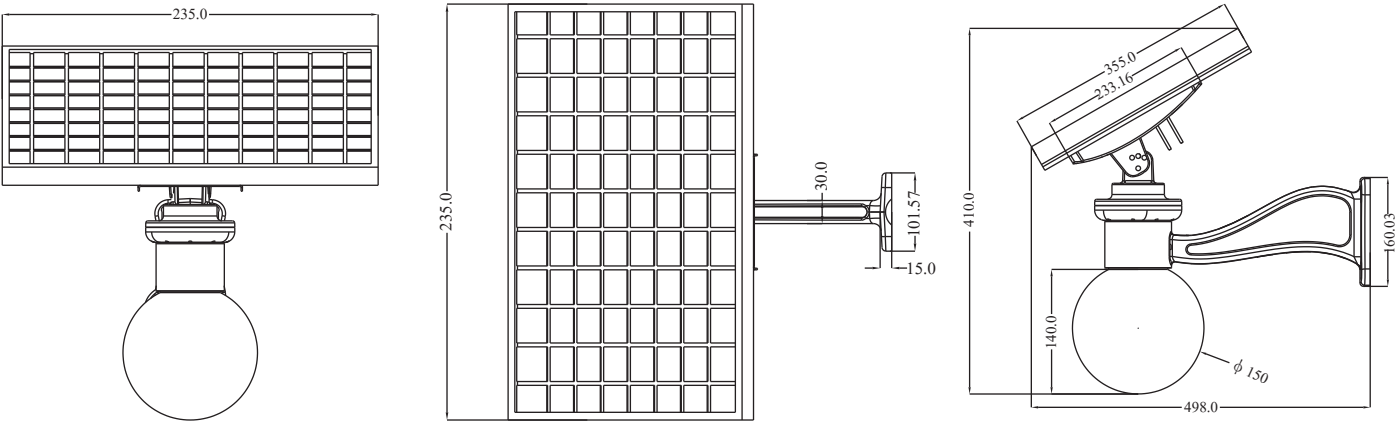


Parameters:

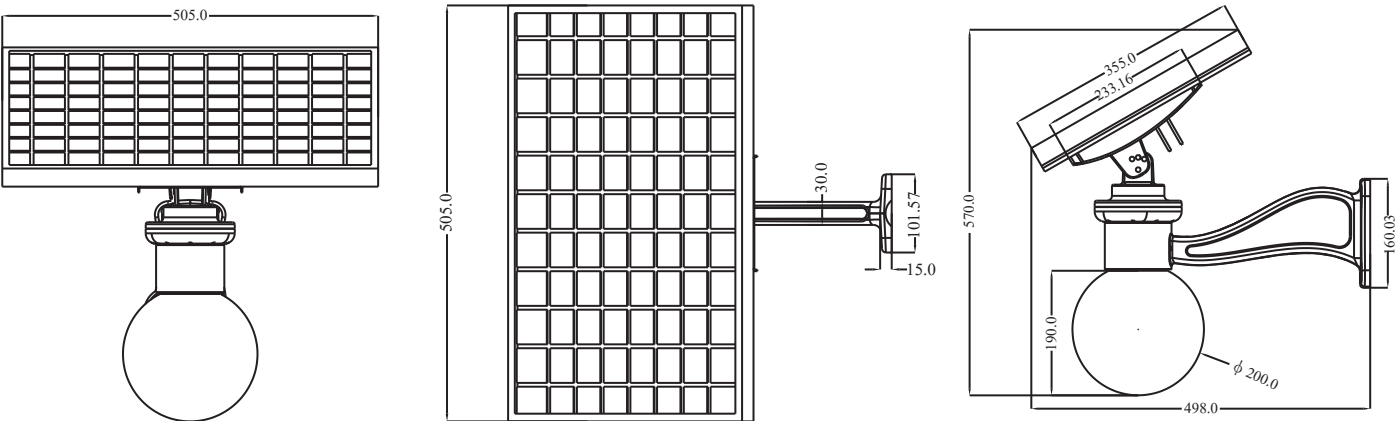
Model No		BS-ML-6	BS-ML-9	BS-ML-12
LED Power		6W	9W	12W
Solar Panel		12W/5V	25W/5V	40W/5V
Lithium Battery Capacity		10AH/3.2V	20AH/3.2V	30AH/3.2V
LED Qty		6PCS	9PCS	12PCS
Luminous		600-720LM	1200-1440LM	1500-1800LM
LED Chip Brand		Bridgelux	Bridgelux	Bridgelux
Control mode		light control / time control / timeµwave control / microwave control		
Color Temperature		3000-6500K		
CRI		75RA		
Light Control Voltage		1V		
Illumination(stand by)		30%		
Lighting Last		20s		
Sensor Area		<10meters		
Charge Time		6-8h direct sunshine		
Discharge Time		36h		
Continuous Rainy Days		4-5days		
Working Temperature		-20°C - 60°C		
Lifetime		50000h		
Material	Solar Panel	Mono crystalline		
Mounting Height		3-6meters		
Installation Spacing		8-10meters		
Certifications		CE ROHS FCC IP65		
Warranty		3years		
Applications		Rural & Farm & Village, Street & Road & Path, Residential & Community & Public areas, Garden & Parks & Villa & Courtyard, Parking lot & hotel, Square & School, Desert & Prairie, also for Camping, Orchard, Night Fishing.		

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.

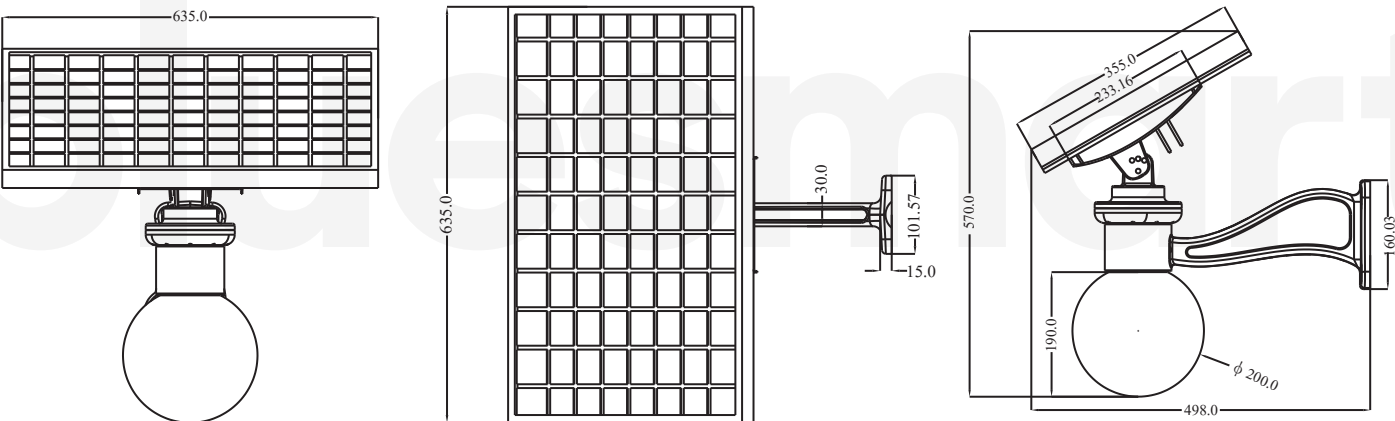
Moon light dimension:



BS-ML-6 dimension



BS-ML-9 dimension



BS-ML-12 dimension

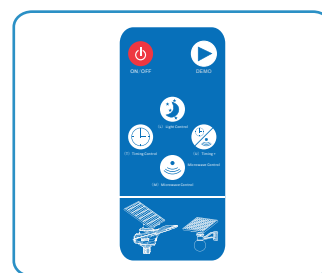
Two lamps in one box:

Model No	Q'TY/CTN	(L*W*H) Per Ctn	(CBM)	Net Weight	Gross Weight	Express Weight	Air Weight	20GP	40GP	40HQ
BS-ML-6	2/1	430*340*300mm	0.05	6.5 kg	7.5 kg	9 kg	7.5 kg	520pcs	1120pcs	1320pcs
BS-ML-9	2/1	560*420*410mm	0.1	9.5 kg	11.5 kg	20 kg	16 kg	260pcs	560pcs	660pcs
BS-ML-12	2/1	660*420*410mm	0.12	13 kg	15 kg	23 kg	19 kg	217pcs	467pcs	550pcs

Color box packaged. Anti-shock packaging material, with bubble bags and foam, ensure transport safety.



List of accessories:



Component	Quantity	Function
M6x20 screws	4sets	Fix the solar panel
6mm Allen key	1pc	Fix M6x20 screws
Anchor ear	2pcs	Fix the light body
Open spanner	1pc	Fix the anchor ear
Remote control	1pc	Control the working mode
User manual	1pc	Direct customers to use products



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Smart Solar Street Light

Bluesmart reserves the right to improve product performance, structure and appearance without notice. If the description is inconsistent with the physical case, please prevail in kind.

Bluesmart guarantees that the contents of this specification have been calibrated and will not be liable for any loss whatsoever.

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