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MASONLED

SOLAR SERIES LIGHTING PRODUCT CATALOG

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SOLAR SERIES PRODUCTS

- Separate Solar Series
- All-in-One Solar Series
- Solar Garden Light


01/02 VINCI Solar LED Street Light


03/04 LINOS Solar LED Street Light


05/06 Suntrack Solar LED Street Light


07/08 LongDawn Solar LED Street Light


09/10 SmartSun Solar LED Street Light


11/12 PylonLux Solar LED Street Light


13/14 RapidGlow Solar LED Street Light


15/16 EdgeBank Solar LED Street Light


17/18 Satellite Solar LED Street Light


19/20 Leona Solar LED Street Light


21/22 Leona SL Solar LED Street Light


23/24 Lunaris Solar Garden Light


25/26 Ringo Solar Garden Light


27/28 Cubex Solar Garden Light


29/30 Luna Solar Garden Light

MASONLED



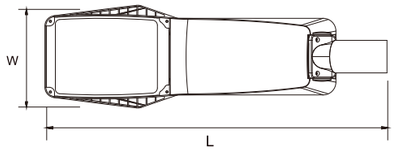
VINCI
Solar LED Street Light
40W-80W

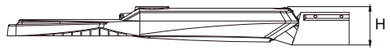


TECHNICAL PARAMETER

Model No.	MS-ST918040	MS-ST918060	MS-ST918080
System Power	40W	60W	80W
Luminous Efficiency	200lm/W		
Working Time	12 hours (full power) or automatic control		
Raining Day	2-4 Days		
Charging Time	At least 9 hours		
Controller	MPPT		
Solar Panel	Monocrystalline Silicon 18V 75W	Monocrystalline Silicon 18V 100W	Monocrystalline Silicon 36V 135W
Battery Type & capacity	$LiFePO_4$ 12.8V 45Ah	$LiFePO_4$ 12.8V 75Ah	$LiFePO_4$ 25.6V 45Ah
OperatingTemperature	-20 ~ +50℃		
Product Size(L*W*H)mm	685*218*85	685*218*85	753*240*87

PRODUCT SIZES





FEATURES

+ Split design: Solar panel, lamp head, and battery are separated. The panel's tilt angle is adjustable for efficient sunlight harvesting.
+ Heat-dissipating & durable: The light source is isolated from the battery, preventing heat from the lamp body from damaging the battery, thus extending the overall system lifespan.
+ Flexible runtime: Battery capacity can be scaled on demand, delivering excellent autonomy on cloudy and rainy days.
+ Sturdy bracket: Triangular reinforced arm provides reliable load-bearing capacity, resists wind loads, and prevents deformation.
+ Easy maintenance: Damaged components can be replaced individually, with simple disassembly and assembly, resulting in low maintenance costs.
+ Uniform illumination: Cantilevered lamp head arrangement avoids shading from the pole, providing wide coverage on the road surface.





Designed for 12V/24V lithium batteries, boost constant current output.

High-efficiency MPPT tracking technology with tracking efficiency up to 99.9%, effectively improving system efficiency and reducing system cost.

Built-in lightning protection module, fully sealed with potting compound, IP68 waterproof rating.

Industrial-grade MCU fully digital technology, featuring high accuracy, anti-interference, anti-aging, and drift-free operation.

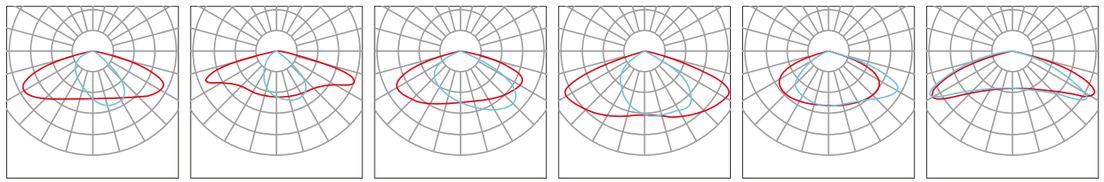
Infrared / 2.4G wireless communication, TTL communication.

Functions: light control, timer control, dimming, intelligent power saving + dawn lighting function, motion sensor (optional).

Battery reverse polarity protection, solar panel reverse polarity protection, output short circuit protection, anti-backflow protection to prevent reverse discharging from battery to solar panel at night.

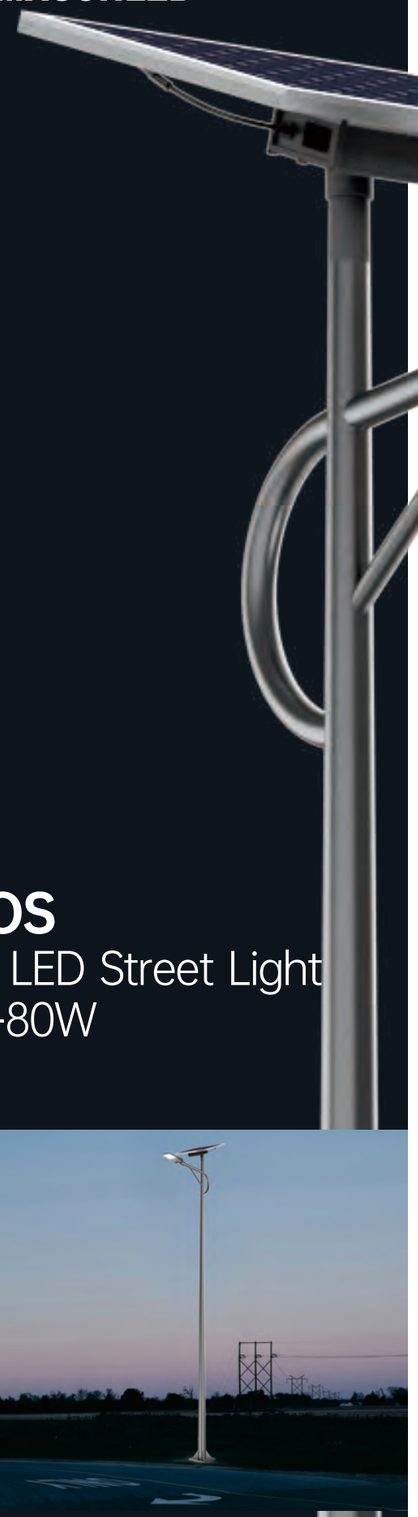
With proper system configuration and parameter settings, the light can remain on for 365 days without failure. 3-year warranty.

LIGHT DISTRIBUTION CURVE



MASONLED

LINOS
Solar LED Street Light 40W-80W

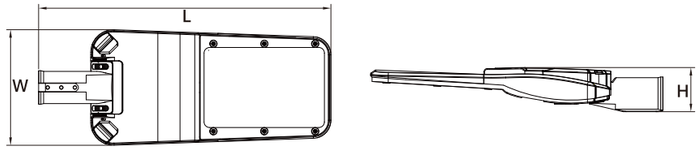




TECHNICAL PARAMETER

Model No.	MS-ST919040	MS-ST919060	MS-ST909080
System Power	40W	60W	80W
Luminous Efficiency	200lm/W		
Working Time	12 hours (full power) or automatic control		
Raining Day	2-4 Days		
Charging Time	At least 9 hours		
Controller	MPPT		
Solar Panel	Monocrystalline Silicon 18V 75W	Monocrystalline Silicon 18V 100W	Monocrystalline Silicon 36V 135W
Battery Type & capacity	$LiFePO_4$ 12.8V 45Ah	$LiFePO_4$ 12.8V 75Ah	$LiFePO_4$ 25.6V 45Ah
OperatingTemperature	-20 ~ +50℃		
Product Size(L*W*H)mm	563*215*105	595*255*105	595*255*105

PRODUCT SIZES



FEATURES

+ Split design: Solar panel, lamp head, and battery are separated. The panel's tilt angle is adjustable for efficient sunlight harvesting.
+ Heat-dissipating & durable: The light source is isolated from the battery, preventing heat from the lamp body from damaging the battery, thus extending the overall system lifespan.
+ Flexible runtime: Battery capacity can be scaled on demand, delivering excellent autonomy on cloudy and rainy days.
+ Sturdy bracket: Triangular reinforced arm provides reliable load-bearing capacity, resists wind loads, and prevents deformation.
+ Easy maintenance: Damaged components can be replaced individually, with simple disassembly and assembly, resulting in low maintenance costs.
+ Uniform illumination: Cantilevered lamp head arrangement avoids shading from the pole, providing wide coverage on the road surface.





Designed for 12V/24V lithium batteries, boost constant current output.

High-efficiency MPPT tracking technology with tracking efficiency up to 99.9%, effectively improving system efficiency and reducing system cost.

Built-in lightning protection module, fully sealed with potting compound, IP68 waterproof rating.

Industrial-grade MCU fully digital technology, featuring high accuracy, anti-interference, anti-aging, and drift-free operation.

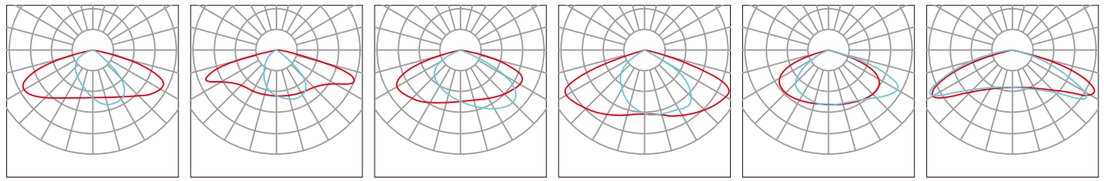
Infrared / 2.4G wireless communication, TTL communication.

Functions: light control, timer control, dimming, intelligent power saving + dawn lighting function, motion sensor (optional).

Battery reverse polarity protection, solar panel reverse polarity protection, output short circuit protection, anti-backflow protection to prevent reverse discharging from battery to solar panel at night.

With proper system configuration and parameter settings, the light can remain on for 365 days without failure. 3-year warranty.

LIGHT DISTRIBUTION CURVE



MASONLED

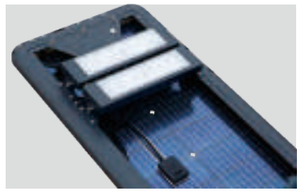


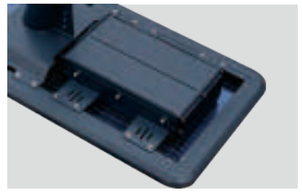
SUNTRACK
Solar LED Street Light 30W-50W



FEATURES

+ Modular light source design with adjustable beam angle;
+ High luminous efficacy ≥200 lm/W;
+ Integrated design, simple and stylish, lightweight and practical;
+ Double-sided solar panel design to maximize sunlight utilization and achieve higher charging efficiency;
+ Aluminum alloy construction with sandblasted anodized or electrostatic powder-coated finish for strong weather resistance;
+ Expandable with timing dimming, radar motion sensing, intelligent power saving, wireless communication, etc.



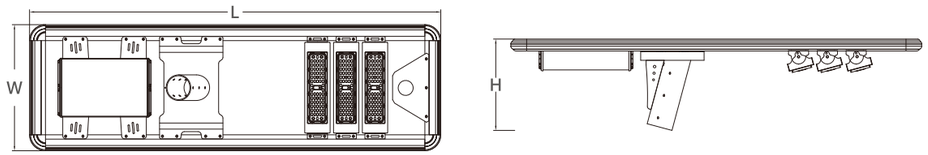




TECHNICAL PARAMETER

Model No.	MS-ST921030	MS-ST921040	MS-ST921050
System Power	30W	40W	50W
Luminous Efficiency	200lm/W		
Working Time	12 hours (full power) or automatic control		
Raining Day	2-4 Days		
Charging Time	At least 9 hours		
Controller	MPPT		
Solar Panel	Monocrystalline Silicon 18V 80W	Monocrystalline Silicon 18V 100W	Monocrystalline Silicon 18V 120W
Battery Type & capacity	$LiFePO_4$ 12.8V 36Ah	$LiFePO_4$ 12.8V 45Ah	$LiFePO_4$ 12.8V 60Ah
OperatingTemperature	-20 ~ +50℃		
Product Size(L*W*H)mm	1148*438*266	1428*438*266	1568*438*266

PRODUCT SIZES



Designed for 12V/24V lithium batteries, boost constant current output.

High-efficiency MPPT tracking technology with tracking efficiency up to 99.9%, effectively improving system efficiency and reducing system cost.

Built-in lightning protection module, fully sealed with potting compound, IP68 waterproof rating.

Industrial-grade MCU fully digital technology, featuring high accuracy, anti-interference, anti-aging, and drift-free operation.

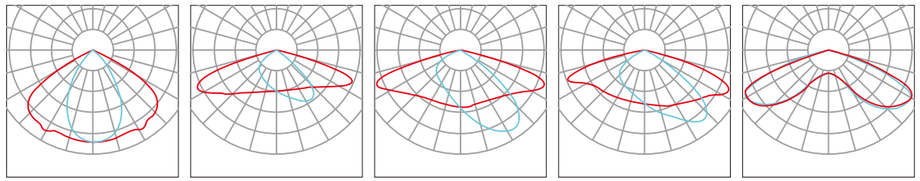
Infrared / 2.4G wireless communication, TTL communication.

Functions: light control, timer control, dimming, intelligent power saving + dawn lighting function, motion sensor (optional).

Battery reverse polarity protection, solar panel reverse polarity protection, output short circuit protection, anti-backflow protection to prevent reverse discharging from battery to solar panel at night.

With proper system configuration and parameter settings, the light can remain on for 365 days without failure. 3-year warranty.

LIGHT DISTRIBUTION CURVE



MASONLED

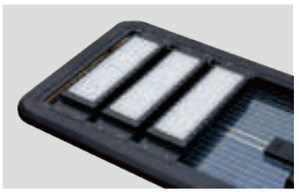
LONGDAWN
Solar LED Street Light
20W-50W





FEATURES

+ Modular light source design with adjustable beam angle;
+ High luminous efficacy ≥200 lm/W;
+ Integrated design, simple and stylish, lightweight and practical;
+ Double-sided solar panel design to maximize sunlight utilization and achieve higher charging efficiency;
+ Aluminum alloy construction with sandblasted anodized or electrostatic powder-coated finish for strong weather resistance;
+ Expandable with timing dimming, radar motion sensing, intelligent power saving, wireless communication, etc.



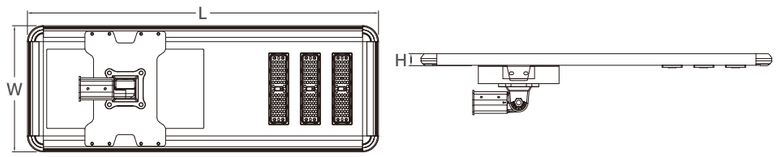




TECHNICAL PARAMETER

Model No.	MS-ST922020	MS-ST922030	MS-ST922040	MS-ST922050
System Power	20W	30W	40W	50W
Luminous Efficiency	200lm/W			
Working Time	12 hours (full power) or automatic control			
Raining Day	2-4 Days			
Charging Time	At least 9 hours			
Controller	MPPT			
Solar Panel	Monocrystalline Silicon 18V 50W	Monocrystalline Silicon 18V 65W	Monocrystalline Silicon 18V 85W	Monocrystalline Silicon 18V 115W
Battery Type & capacity	$LiFePO_4$ 12.8V 24Ah	$LiFePO_4$ 12.8V 36Ah	$LiFePO_4$ 12.8V 45Ah	$LiFePO_4$ 12.8V 60Ah
OperatingTemperature	-20 ~ +50℃			
Product Size(L*W*H)mm	778*438*42	938*438*42	1218*438*42	1573*438*42

PRODUCT SIZES



Designed for 12V/24V lithium batteries, boost constant current output.

High-efficiency MPPT tracking technology with tracking efficiency up to 99.9%, effectively improving system efficiency and reducing system cost.

Built-in lightning protection module, fully sealed with potting compound, IP68 waterproof rating.

Industrial-grade MCU fully digital technology, featuring high accuracy, anti-interference, anti-aging, and drift-free operation.

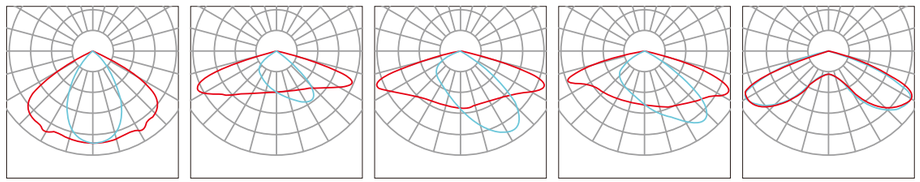
Infrared / 2.4G wireless communication, TTL communication.

Functions: light control, timer control, dimming, intelligent power saving + dawn lighting function, motion sensor (optional).

Battery reverse polarity protection, solar panel reverse polarity protection, output short circuit protection, anti-backflow protection to prevent reverse discharging from battery to solar panel at night.

With proper system configuration and parameter settings, the light can remain on for 365 days without failure. 3-year warranty.

LIGHT DISTRIBUTION CURVE



MASONLED



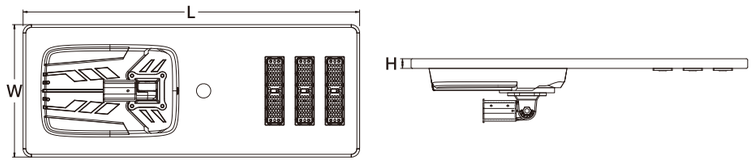
SMARTSUN
Solar LED Street Light 30W-60W



TECHNICAL PARAMETER

Model No.	MS-ST923030	MS-ST923040	MS-ST923050	MS-ST923060
System Power	30W	40W	50W	60W
Luminous Efficiency	200lm/W			
Working Time	12 hours (full power) or automatic control			
Raining Day	2-4 Days			
Charging Time	At least 9 hours			
Controller	PWM			
Solar Panel	Monocrystalline Silicon 18V 80W	Monocrystalline Silicon 18V 100W	Monocrystalline Silicon 18V 120W	Monocrystalline Silicon 36V 140W
Battery Type & capacity	$LiFePO_4$ 12.8V 36Ah	$LiFePO_4$ 12.8V 45Ah	$LiFePO_4$ 12.8V 60Ah	$LiFePO_4$ 25.6V 36Ah
OperatingTemperature	-20 ~ +50℃			
Product Size(L*W*H)mm	990*480*220	1220*480*220	1440*480*220	1770*480*220

PRODUCT SIZES



FEATURES

+ Status-indicating ambient light for intuitive and clear operation;
+ Modular light source design for easy installation and maintenance;
+ High luminous efficacy ≥200 lm/W;
+ Integrated design, simple and stylish, lightweight and practical;
+ Aluminum alloy construction with sandblasted anodized or electrostatic powder-coated finish for strong weather resistance;
+ Expandable with timing dimming, radar motion sensing, intelligent power saving, wireless communication, etc.



Status Indicator Light

Designed for 12V/24V lithium batteries, boost constant current output.

MPPT — High-efficiency MPPT tracking technology with tracking efficiency up to 99.9%, effectively improving system efficiency and reducing system cost.

Built-in lightning protection module, fully sealed with potting compound, IP68 waterproof rating.

MCU — Industrial-grade MCU fully digital technology, featuring high accuracy, anti-interference, anti-aging, and drift-free operation.

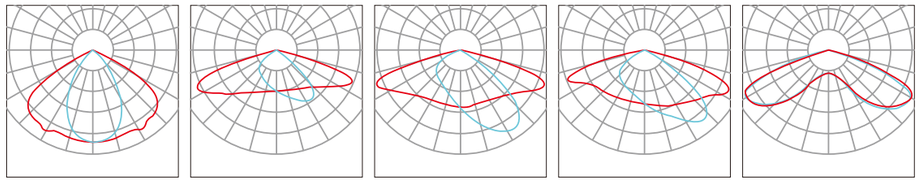
Infrared / 2.4G wireless communication, TTL communication.

Functions: light control, timer control, dimming, intelligent power saving + dawn lighting function, motion sensor (optional).

Battery reverse polarity protection, solar panel reverse polarity protection, output short circuit protection, anti-backflow protection to prevent reverse discharging from battery to solar panel at night.

3 — With proper system configuration and parameter settings, the light can remain on for 365 days without failure. 3-year warranty.

LIGHT DISTRIBUTION CURVE



MASONLED

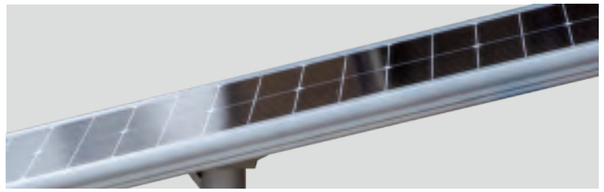
PYLONLUX
Solar LED Street Light
15W-40W

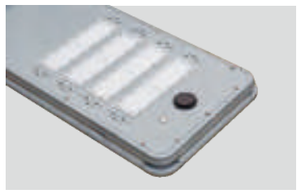




FEATURES

+ Modular light source design – the number of modules can be flexibly adjusted.
+ High luminous efficacy ≥200 lm/W.
+ Integrated design – simple, stylish, lightweight, and practical.
+ Double-sided solar panel – maximizes sunlight utilization for higher charging efficiency.
+ Aluminum alloy construction – surface finished with sandblasting & anodizing or electrostatic powder coating for strong weather resistance.
+ Expandable functions – supports timed dimming, radar sensing, smart power saving, wireless communication, and more.



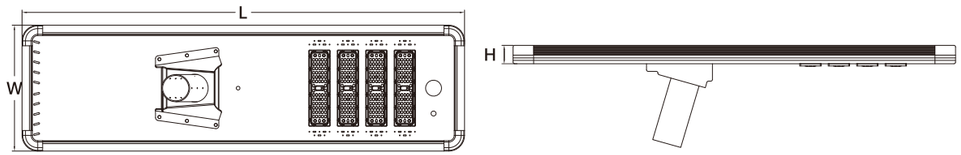




TECHNICAL PARAMETER

Model No.	MS-ST924015	MS-ST924020	MS-ST924025	MS-ST924030	MS-ST924040
System Power	15W	20W	25W	30W	40W
Luminous Efficiency	200lm/W				
Working Time	12 hours (full power) or automatic control				
Raining Day	2-4 Days				
Charging Time	At least 9 hours				
Controller	MPPT				
Solar Panel	Monocrystalline Silicon 18V 36W	Monocrystalline Silicon 18V 48W	Monocrystalline Silicon 18V 60W	Monocrystalline Silicon 18V 72W	Monocrystalline Silicon 18V 99W
Battery Type & capacity	$LiFePO_4$ 12.8V 18Ah	$LiFePO_4$ 12.8V 24Ah	$LiFePO_4$ 12.8V 30Ah	$LiFePO_4$ 12.8V 36Ah	$LiFePO_4$ 12.8V 45Ah
OperatingTemperature	-20 ~ +50℃				
Product Size(L*W*H)mm	828*299*50	1078*299*50	1078*358*50	1078*425*50	1470*425*50

PRODUCT SIZES



Designed for 12V/24V lithium batteries, boost constant current output.

High-efficiency MPPT tracking technology with tracking efficiency up to 99.9%, effectively improving system efficiency and reducing system cost.

Built-in lightning protection module, fully sealed with potting compound, IP68 waterproof rating.

Industrial-grade MCU fully digital technology, featuring high accuracy, anti-interference, anti-aging, and drift-free operation.

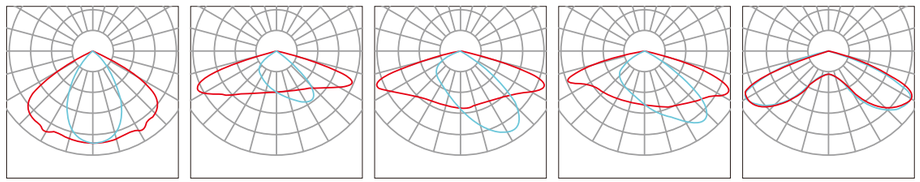
Infrared / 2.4G wireless communication, TTL communication.

Functions: light control, timer control, dimming, intelligent power saving + dawn lighting function, motion sensor (optional).

Battery reverse polarity protection, solar panel reverse polarity protection, output short circuit protection, anti-backflow protection to prevent reverse discharging from battery to solar panel at night.

With proper system configuration and parameter settings, the light can remain on for 365 days without failure. 3-year warranty.

LIGHT DISTRIBUTION CURVE



MASONLED

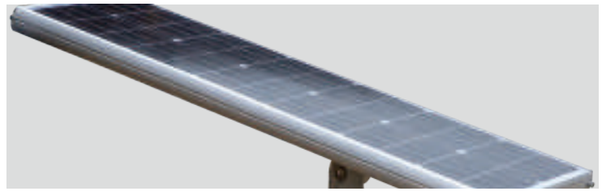
RAPIDGLOW
Solar LED Street Light
30W-50W



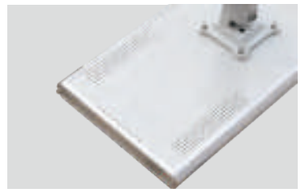
FEATURES

+ Modular light source design allows flexible adjustment of the number of modules.
+ High luminous efficacy ≥200 lm/W.
+ Integrated design – simple, stylish, lightweight, and practical.
+ Double-sided solar panel design maximizes sunlight utilization for higher charging efficiency.
+ Aluminum alloy construction with sandblasted & anodized finish or electrostatic powder coating – strong weather resistance.
+ Expandable features – timed dimming, radar sensing, smart power saving, wireless communication, etc.





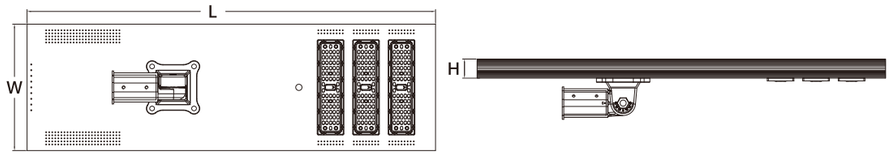




TECHNICAL PARAMETER

Model No.	MS-ST925030	MS-ST925040	MS-ST925050
System Power	30W	40W	50W
Luminous Efficiency	200lm/W		
Working Time	12 hours (full power) or automatic control		
Raining Day	2-4 Days		
Charging Time	At least 9 hours		
Controller	MPPT		
Solar Panel	Monocrystalline Silicon 18V 75W	Monocrystalline Silicon 18V 95W	Monocrystalline Silicon 18V110W
Battery Type & capacity	$LiFePO_4$ 12.8V 36Ah	$LiFePO_4$ 12.8V 45Ah	$LiFePO_4$ 12.8V 60Ah
OperatingTemperature	-20 ~ +50℃		
Product Size(L*W*H)mm	1117*412*60	1447*412*60	1617*412*60

PRODUCT SIZES



Designed for 12V/24V lithium batteries, boost constant current output.

MPPT — High-efficiency MPPT tracking technology with tracking efficiency up to 99.9%, effectively improving system efficiency and reducing system cost.

Built-in lightning protection module, fully sealed with potting compound, IP68 waterproof rating.

MCU — Industrial-grade MCU fully digital technology, featuring high accuracy, anti-interference, anti-aging, and drift-free operation.

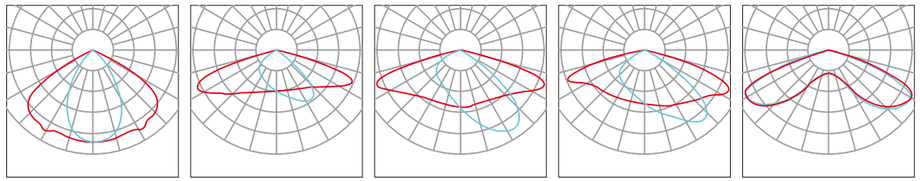
Infrared / 2.4G wireless communication, TTL communication.

Functions: light control, timer control, dimming, intelligent power saving + dawn lighting function, motion sensor (optional).

Battery reverse polarity protection, solar panel reverse polarity protection, output short circuit protection, anti-backflow protection to prevent reverse discharging from battery to solar panel at night.

3 — With proper system configuration and parameter settings, the light can remain on for 365 days without failure. 3-year warranty.

LIGHT DISTRIBUTION CURVE



MASONLED

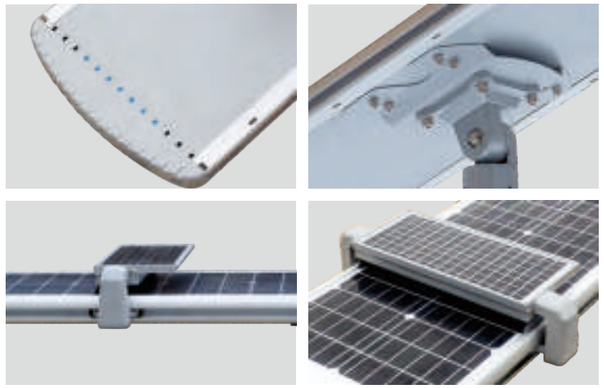
EDGEBANK
Solar LED Street Light 20W-50W





FEATURES

+ Modular light source design allows flexible adjustment of the number of modules.
+ High luminous efficacy ≥200 lm/W.
+ Integrated design, simple and stylish, lightweight and practical.
+ Automatically cleans dust, bird droppings, etc. from the solar panel every morning and evening to keep it clean and ensure charging efficiency.
+ Aluminum alloy construction with sandblasted anodized or electrostatic powder-coated finish for strong weather resistance.
+ Expandable with timing dimming, radar motion sensing, intelligent power saving, wireless communication, etc.

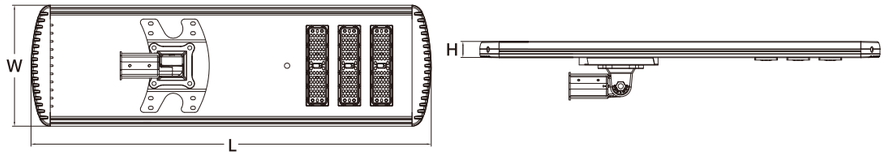


Automatically cleans dust, bird droppings, etc. from the solar panel every morning and evening to keep it clean and ensure charging efficiency.

TECHNICAL PARAMETER

Model No.	MS-ST926020	MS-ST926025	MS-ST926030	MS-ST926040	MS-ST926050
System Power	20W	25W	30W	40W	50W
Luminous Efficiency	200lm/W				
Working Time	12 hours (full power) or automatic control				
Raining Day	2-4 Days				
Charging Time	At least 9 hours				
Controller	MPPT				
Solar Panel	Monocrystalline Silicon 18V 45W	Monocrystalline Silicon 18V 60W	Monocrystalline Silicon 18V 80W	Monocrystalline Silicon 18V 100W	Monocrystalline Silicon 18V 120W
Battery Type & capacity	$LiFePO_4$ 12.8V 24Ah	$LiFePO_4$ 12.8V 30Ah	$LiFePO_4$ 12.8V 36Ah	$LiFePO_4$ 12.8V 45Ah	$LiFePO_4$ 12.8V 60Ah
OperatingTemperature	-20 ~ +50℃				
Product Size(L*W*H)mm	998*373*50	1233*373*50	1543*373*50	1863*373*50	2208*373*50

PRODUCT SIZES



Designed for 12V/24V lithium batteries, boost constant current output.

MPPT — High-efficiency MPPT tracking technology with tracking efficiency up to 99.9%, effectively improving system efficiency and reducing system cost.

Built-in lightning protection module, fully sealed with potting compound, IP68 waterproof rating.

MCU — Industrial-grade MCU fully digital technology, featuring high accuracy, anti-interference, anti-aging, and drift-free operation.

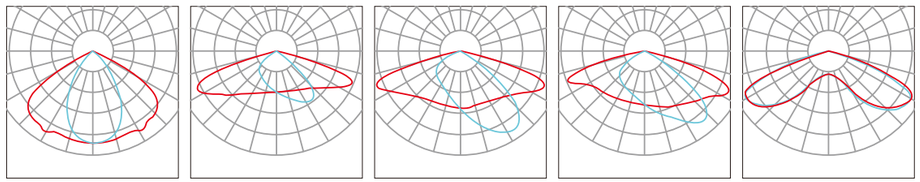
Infrared / 2.4G wireless communication, TTL communication.

Functions: light control, timer control, dimming, intelligent power saving + dawn lighting function, motion sensor (optional).

Battery reverse polarity protection, solar panel reverse polarity protection, output short circuit protection, anti-backflow protection to prevent reverse discharging from battery to solar panel at night.

3 — With proper system configuration and parameter settings, the light can remain on for 365 days without failure. 3-year warranty.

LIGHT DISTRIBUTION CURVE



MASONLED



STELLARWING
Solar LED Street Light 60W-110W



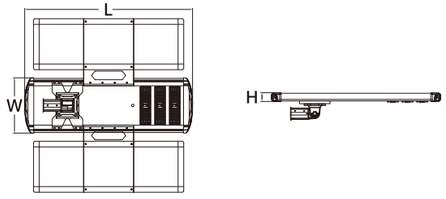




TECHNICAL PARAMETER

Model No.	MS-ST927060	MS-ST927075	MS-ST927090	MS-ST927110
System Power	60W	75W	90W	110W
Luminous Efficiency	200lm/W			
Working Time	12 hours (full power) or automatic control			
Raining Day	2-4 Days			
Charging Time	At least 9 hours			
Controller	MPPT			
Solar Panel	Monocrystalline Silicon 36V 150W	Monocrystalline Silicon 36V 180W	Monocrystalline Silicon 36V 240W	Monocrystalline Silicon 36V 270W
Battery Type & capacity	$LiFePO_4$ 25.6V 36Ah	$LiFePO_4$ 25.6V 45Ah	$LiFePO_4$ 25.6V 60Ah	$LiFePO_4$ 25.6V 66Ah
OperatingTemperature	-20 ~ +50℃			
Product Size(L*W*H)mm	916*363*58	1096*363*58	1416*363*58	1566*363*58

PRODUCT SIZES



FEATURES

+ Space station-inspired design concept. Huge solar panels ensure long battery life – no false specifications.
+ High luminous efficacy ≥200 lm/W.
+ Integrated design, simple and stylish, lightweight and practical.
+ Aluminum alloy construction with sandblasted anodized or electrostatic powder-coated finish for strong weather resistance.
+ Expandable with timing dimming, radar motion sensing, intelligent power saving, wireless communication, etc.

Designed for 12V/24V lithium batteries, boost constant current output.

High-efficiency MPPT tracking technology with tracking efficiency up to 99.9%, effectively improving system efficiency and reducing system cost.

Built-in lightning protection module, fully sealed with potting compound, IP68 waterproof rating.

Industrial-grade MCU fully digital technology, featuring high accuracy, anti-interference, anti-aging, and drift-free operation.

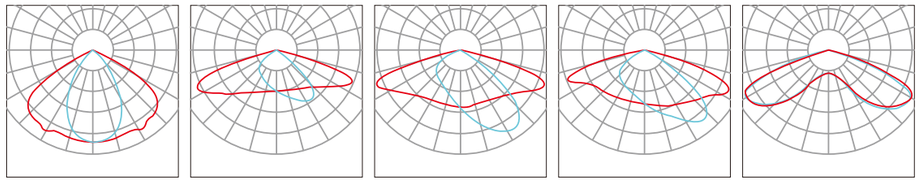
Infrared / 2.4G wireless communication, TTL communication.

Functions: light control, timer control, dimming, intelligent power saving + dawn lighting function, motion sensor (optional).

Battery reverse polarity protection, solar panel reverse polarity protection, output short circuit protection, anti-backflow protection to prevent reverse discharging from battery to solar panel at night.

With proper system configuration and parameter settings, the light can remain on for 365 days without failure. 3-year warranty.

LIGHT DISTRIBUTION CURVE



MASONLED

LEONA
Solar LED Street Light 10W-120W

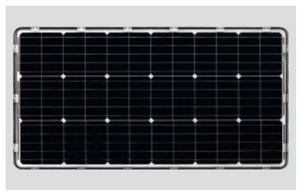




FEATURES

+ Stable Photoelectric Conversion Efficiency
+ Vertical Installation and Horizontal Installation
+ Adjusted 360o Angle Rotation
+ Non-Corrosive ADC12 Die Cast Aluminium
+ Duck Grey powder coat finish (std.)
+ Custom and factory select colors available
+ Totally New DISON IFR26650 Lifepo4 Battery Pack
+ Monocrystalline silicon solar panels
+ >70 Color Rendering Index (CRI)
+ L70 100,000Hrs @ 25°C
+ PCB: Metal Core
+ PIR, Micowave sensor
+ Control system with time dimming
+ PWM/MPPT chage controller
+ 5 Year Warranty
+ Operating Temperature: -20 ~ +50°C
+ IP66 IK08



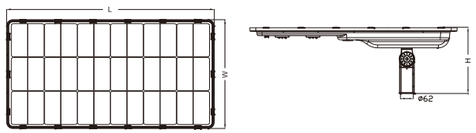




TECHNICAL PARAMETER

Model No.	MS-ST906010	MS-ST907020	MS-ST908030	MS-ST909040	MS-ST910060	MS-ST911080	MS-ST912100	MS-ST913120
System Power	10W	20W	30W	40W	60W	80W	100W	120W
Luminous Efficiency	> 160lm/W							
Working Time	16 hours (full power) or automatic control							
Raining Day	2-4 Days							
Charging Time	6 Hrs							
Controller	MPPT							
Solar Panel	Monocrystalline Silicon 18V 30W		Monocrystalline Silicon 18V 50W		Monocrystalline Silicon 18V 95W		Monocrystalline Silicon 18V 145W	
Battery Type & capacity	$LiFePO_4$ 12.8V 6.5Ah	$LiFePO_4$ 12.8V 10.2Ah	$LiFePO_4$ 12.8V 20.4Ah	$LiFePO_4$ 12.8V 34Ah	$LiFePO_4$ 12.8V 44.2Ah	$LiFePO_4$ 12.8V 51Ah	$LiFePO_4$ 12.8V 34Ah	$LiFePO_4$ 12.8V 47.6Ah
OperatingTemperature	-20 ~ +50℃							
Product Size(L*W*H)mm	560*360*265		790*360*311		1010*520*317		1400*545*838	

PRODUCT SIZES



Designed for 12V/24V lithium batteries, boost constant current output.

High-efficiency MPPT tracking technology with tracking efficiency up to 99.9%, effectively improving system efficiency and reducing system cost.

Built-in lightning protection module, fully sealed with potting compound, IP68 waterproof rating.

Industrial-grade MCU fully digital technology, featuring high accuracy, anti-interference, anti-aging, and drift-free operation.

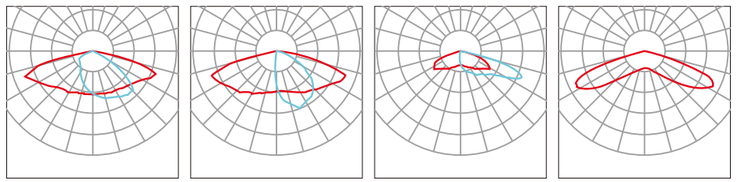
Infrared / 2.4G wireless communication, TTL communication.

Functions: light control, timer control, dimming, intelligent power saving + dawn lighting function, motion sensor (optional).

Battery reverse polarity protection, solar panel reverse polarity protection, output short circuit protection, anti-backflow protection to prevent reverse discharging from battery to solar panel at night.

With proper system configuration and parameter settings, the light can remain on for 365 days without failure. 3-year warranty.

LIGHT DISTRIBUTION CURVE



T II T III T IV T V

MASONLED



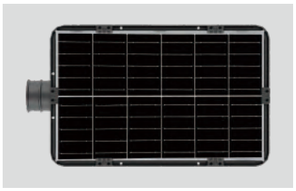
LEONA SL
Solar LED Street Light
6W-18W

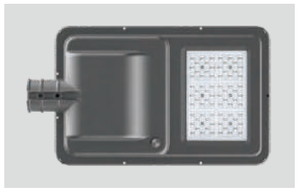


FEATURES

+ Stable Photoelectric Conversion Efficiency
+ Non-Corrosive ADC12 Die Cast Aluminium
+ Totally New DISON IFR26650 Lifepo4 Battery Pack
+ Monocrystalline silicon solar panels
+ >70 Color Rendering Index (CRI)
+ Control system with time dimming
+ PWM/MPPT charge controller
+ 5 Year Warranty
+ Operating Temperature: -20 ~ +50°C
+ IP65 IK08



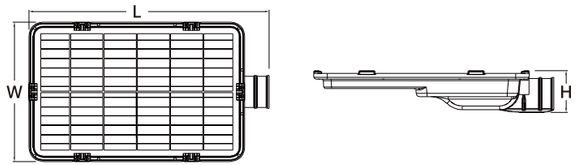




TECHNICAL PARAMETER

Model No.	MS-ST914006	MS-ST915012	MS-ST916018
System Power	6W	12W	18W
Luminous Efficiency	170lm/W		
Working Time	12Hours or 48Hours(Auto Control)		
Raining Day	2-4 Days		
Charging Time	At least 9 hours		
Controller	PEM/MPPT		
Solar Panel	Monocrystalline Silicon 4.5V 10W	Monocrystalline Silicon 4.5V 15W	Monocrystalline Silicon 4.5V 20W
Battery Type & capacity	$LiFePO_4$ 3.2V 10Ah	$LiFePO_4$ 3.2V 15Ah	$LiFePO_4$ 3.2V 20Ah
OperatingTemperature	-20 ~ +50℃		
Product Size(L*W*H)mm	340*220*65	440*255*76	550*255*87

PRODUCT SIZES



Designed for 12V/24V lithium batteries, boost constant current output.

High-efficiency MPPT tracking technology with tracking efficiency up to 99.9%, effectively improving system efficiency and reducing system cost.

Built-in lightning protection module, fully sealed with potting compound, IP68 waterproof rating.

Industrial-grade MCU fully digital technology, featuring high accuracy, anti-interference, anti-aging, and drift-free operation.

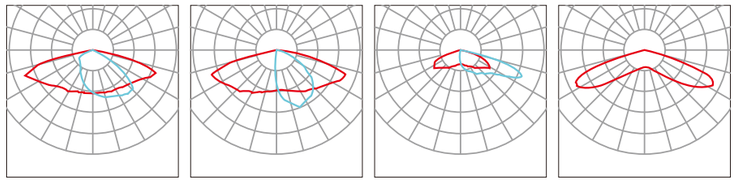
Infrared / 2.4G wireless communication, TTL communication.

Functions: light control, timer control, dimming, intelligent power saving + dawn lighting function, motion sensor (optional).

Battery reverse polarity protection, solar panel reverse polarity protection, output short circuit protection, anti-backflow protection to prevent reverse discharging from battery to solar panel at night.

With proper system configuration and parameter settings, the light can remain on for 365 days without failure. 3-year warranty.

LIGHT DISTRIBUTION CURVE



MASONLED

LUNARIS
SOLAR GARDEN LIGHT 30W







TECHNICAL PARAMETER

Model No.	MS-CY111030
System Power	30W
LED Light Source	2200lm
Lamp Material	High pressure die-cast aluminum lamp housing
Lampshade Material	PC
Install Sleeve Diameter	60/76MM
Solar Panel Capacity	6V/40W
Lighting Time	Adjustable 6-12 hours
Control Method	Light control + time control
CCT	3000-6500K
Battery Type & capacity	$LiFePO_4$ 3.2V 40Ah
OperatingTemperature	-20 ~ +50℃
Net Weight	8.5KG
Gross Weight	9KG
Product Size(mm)	Φ540*380
Packing Size(mm)	550*550*390

FEATURES

+ Integrated Design – PV panel, light source, and battery are all-in-one, with no exposed wiring, offering a clean and aesthetic structure.
+ Easy Installation – No wiring or assembly required; simply fix it onto the pole. Fast construction and low installation cost.
+ Smart Light Control – Automatically turns on/off based on ambient light levels; no manual operation needed – hassle-free and labor-saving.
+ Durable for Outdoor Use – Sealed against water and dust, resistant to sun and rain, ensuring long-term stable performance outdoors.
+ Long-Lasting Battery Life – High-efficiency PV charging plus a large-capacity battery, combined with low-power light source, ensures all-night illumination.
+ Soft and Comfortable Light – Diffuse light output with no glare, providing a gentle glow that perfectly complements the relaxing ambiance of a garden or courtyard.



Integral aluminum die-cast housing

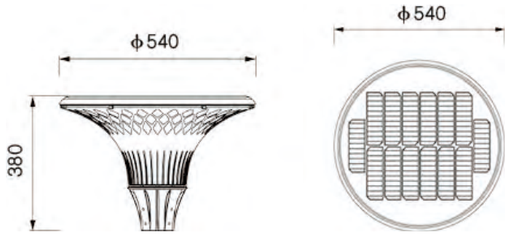


High efficiency solar panel

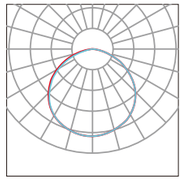


Lithium iron phosphate battery/Light source plate

PRODUCT SIZES

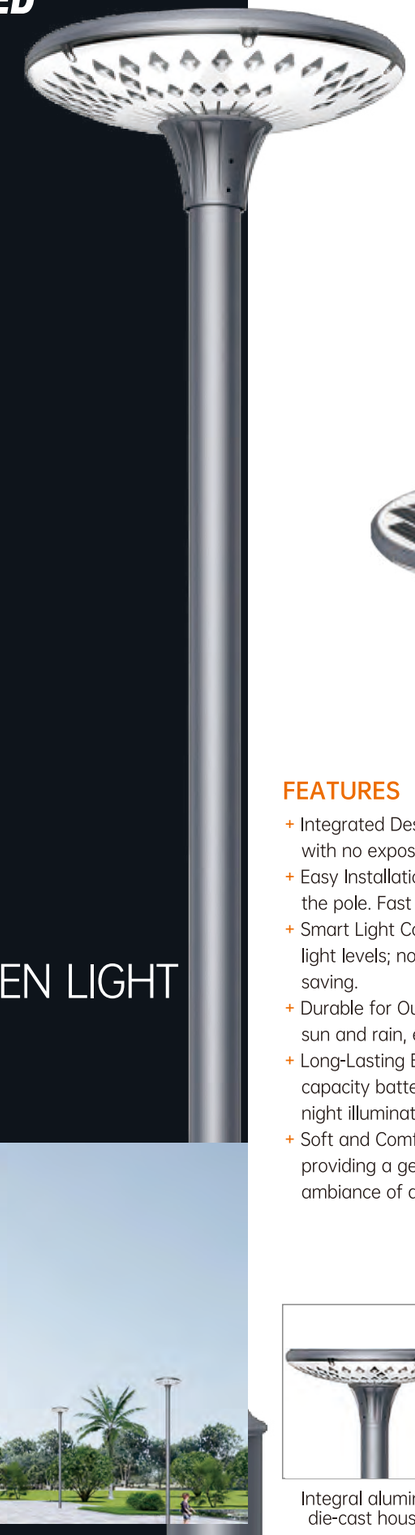


LIGHT DISTRIBUTION CURVE



120°

MASONLED





RINGO
SOLAR GARDEN LIGHT 30W



TECHNICAL PARAMETER

Model No.	MS-CY112030
System Power	30W
LED Light Source	2200lm
Lamp Material	High pressure die-cast aluminum lamp housing
Lampshade Material	PC
Install Sleeve Diameter	60/76MM
Solar Panel Capacity	6V/40W
Lighting Time	Adjustable 6-12 hours
Control Method	Light control + time control
CCT	3000-6500K
Battery Type & capacity	$LiFePO_4$ 3.2V 40Ah
OperatingTemperature	-20 ~ +50℃
Net Weight	7KG
Gross Weight	7.5KG
Product Size(mm)	Φ540*240
Packing Size(mm)	550*550*250

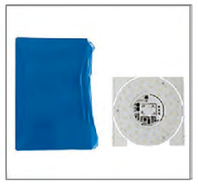
FEATURES

+ Integrated Design – PV panel, light source, and battery are all-in-one, with no exposed wiring, offering a clean and aesthetic structure.
+ Easy Installation – No wiring or assembly required; simply fix it onto the pole. Fast construction and low installation cost.
+ Smart Light Control – Automatically turns on/off based on ambient light levels; no manual operation needed – hassle-free and labor-saving.
+ Durable for Outdoor Use – Sealed against water and dust, resistant to sun and rain, ensuring long-term stable performance outdoors.
+ Long-Lasting Battery Life – High-efficiency PV charging plus a large-capacity battery, combined with low-power light source, ensures all-night illumination.
+ Soft and Comfortable Light – Diffuse light output with no glare, providing a gentle glow that perfectly complements the relaxing ambiance of a garden or courtyard.

Integral aluminum die-cast housing

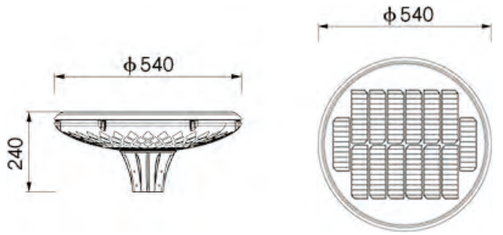


High efficiency solar panel

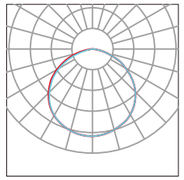


Lithium iron phosphate battery/Light source plate

PRODUCT SIZES



LIGHT DISTRIBUTION CURVE

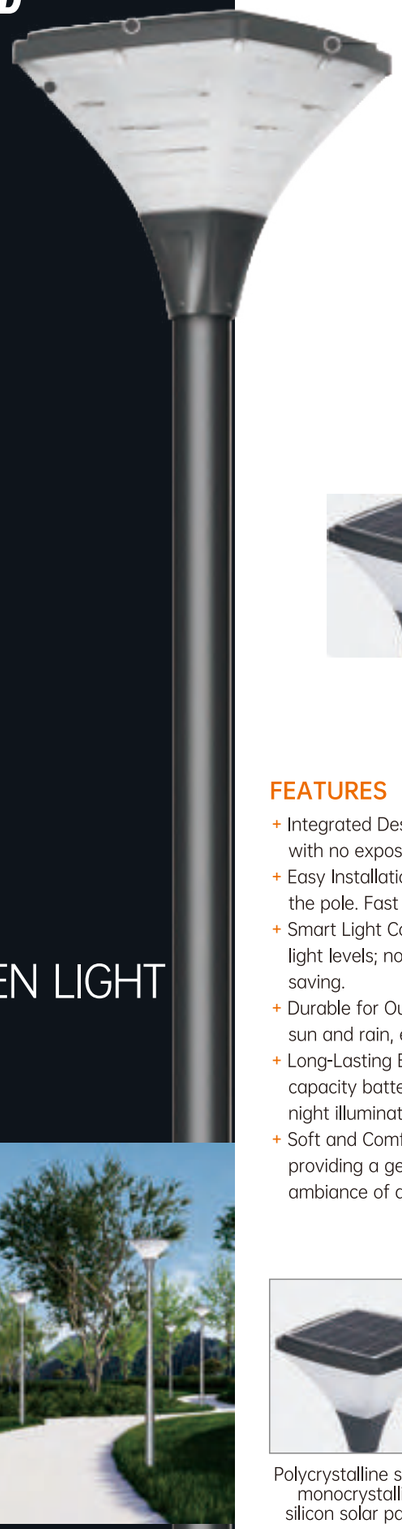


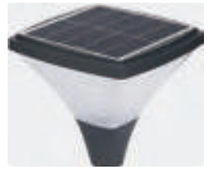
120°

MASONLED

RINGO
SOLAR GARDEN LIGHT
30W









FEATURES

+ Integrated Design – PV panel, light source, and battery are all-in-one, with no exposed wiring, offering a clean and aesthetic structure.
+ Easy Installation – No wiring or assembly required; simply fix it onto the pole. Fast construction and low installation cost.
+ Smart Light Control – Automatically turns on/off based on ambient light levels; no manual operation needed – hassle-free and labor-saving.
+ Durable for Outdoor Use – Sealed against water and dust, resistant to sun and rain, ensuring long-term stable performance outdoors.
+ Long-Lasting Battery Life – High-efficiency PV charging plus a large-capacity battery, combined with low-power light source, ensures all-night illumination.
+ Soft and Comfortable Light – Diffuse light output with no glare, providing a gentle glow that perfectly complements the relaxing ambiance of a garden or courtyard.

Polycrystalline silicon/ monocrystalline silicon solar panels



3.2V lithium iron phosphate battery

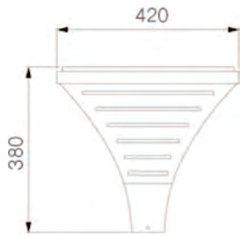


Waterproof plug

TECHNICAL PARAMETER

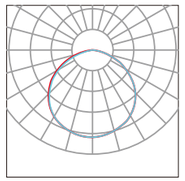
Model No.	MS-CY113030
System Power	30W
LED Light Source	2200lm
Lamp Material	High pressure die-cast aluminum lamp housing
Lampshade Material	PC
Install Sleeve Diameter	60/76MM
Solar Panel Capacity	5V/20W
Lighting Time	Adjustable 6-12 hours
Control Method	Light control + time control
CCT	3000-6500K
Battery Type & capacity	$LiFePO_4$ 3.2V 20Ah
OperatingTemperature	-20 ~ +50℃
Net Weight	4.7KG
Gross Weight	5.2KG
Product Size(mm)	420*420*380
Packing Size(mm)	450*450*390

PRODUCT SIZES





LIGHT DISTRIBUTION CURVE



120°

MASONLED

LUNA
SOLAR GARDEN LIGHT 30W





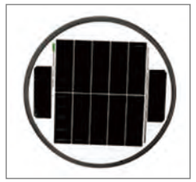


FEATURES

+ Integrated Design – PV panel, light source, and battery are all-in-one, with no exposed wiring, offering a clean and aesthetic structure.
+ Easy Installation – No wiring or assembly required; simply fix it onto the pole. Fast construction and low installation cost.
+ Smart Light Control – Automatically turns on/off based on ambient light levels; no manual operation needed – hassle-free and labor-saving.
+ Durable for Outdoor Use – Sealed against water and dust, resistant to sun and rain, ensuring long-term stable performance outdoors.
+ Long-Lasting Battery Life – High-efficiency PV charging plus a large-capacity battery, combined with low-power light source, ensures all-night illumination.
+ Soft and Comfortable Light – Diffuse light output with no glare, providing a gentle glow that perfectly complements the relaxing ambiance of a garden or courtyard.



Integral aluminum die-cast housing



High efficiency solar panel

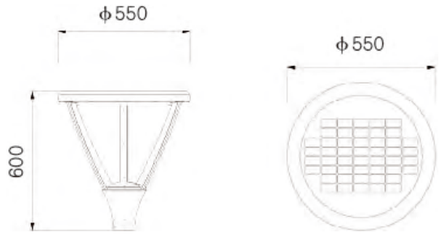


Lithium iron phosphate battery/Light source plate

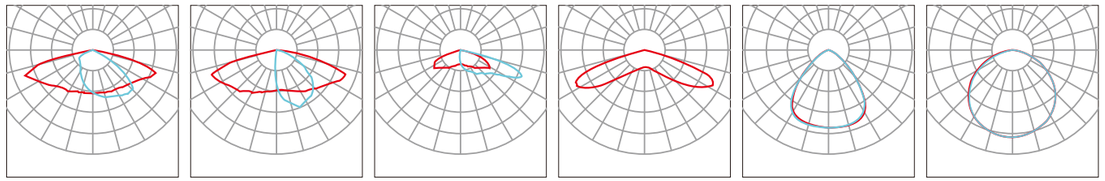
TECHNICAL PARAMETER

Model No.	MS-CY114030
System Power	30W
LED Light Source	3300lm
Lamp Material	High pressure die-cast aluminum lamp housing
Lampshade Material	PC/Tempered glass
Install Sleeve Diameter	60/76MM
Solar Panel Capacity	6V/40W
Lighting Time	Adjustable 6-12 hours
Control Method	Light control + time control
CCT	3000-6500K
Battery Type & capacity	$LiFePO_4$ 3.2V 40Ah
OperatingTemperature	-20 ~ +50℃
Net Weight	8.5KG
Gross Weight	9.5KG
Product Size(mm)	Φ550*600
Packing Size(mm)	560*560*610

PRODUCT SIZES



LIGHT DISTRIBUTION CURVE



APPLICATION













