

AL TSA ALL IN ONE Solar Streetlight Type B



OUTDOOR SERIES



PRODUCT OVERVIEW

The **AL TSA Solar Streetlights** provide extreme lumen output and long lasting stability. Designed to withstand extreme weather conditions with it's fully IP65 rated casing. The luminaires incorporate a monocrystalline solar panel and MPPT tracking ensuring an increase in charging efficiency over the PWM modules. Lithium ion batteries ensure longer lifespan with increased charging cycles. SMD LED chips increases luminous efficiency. The luminaire uses an independent Aluminum heatsink, keeping temperature rise as low as possible. Motion sensors and photocells are used to extend working time by incorporating curve dimming. Easily installed, serviceable and with essentially no upkeep.

Quality comes standard...



Hours
LIFESPAN



IP65
OUTDOOR



Low
MAINTENANCE



Year
WARRANTY



Product
CERTIFICATION

APPLICATIONS

Highways

Industrial Complexes

Estates

Parking Areas

Warehouses/Factories

Shipping Yards

FEATURES

Water, Dust & Damp Proof

Life PO4 Batteries

High Luminous Efficiency

Internal battery box

Excellent heat dissipation

MPPT Technology

Charging Time: 6 - 8 Hours

Easy Installation

Monocrystalline Solar Panel

Discharge Time: 30-36Hrs

CONSTRUCTION DETAILS

Aluminium Alloy

Polycarbonate Lens

Grey Finish

IP65 Ingress Protection

IK08 Impact Resistance

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BATTERY SPECIFICATIONS

Power Consumption (W):	20W 40W 60W 80W 100W 120W
Correlated color Temp (CCT):	18AH 30AH 42AH 54AH 60AH 72AH
Design Life:	6-8 Years
Features:	Self Discharge 3% of Capacity declined per month @ 20°C Operation Temperature Range
Discharge:	-20°C ~ 60°C
Charge:	-10°C ~ 60°C
Storage:	-20°C ~ 60°C
Max Discharge Current:	77°F (25°C) - 1200A(5s)
Short Circuit Current:	3000A



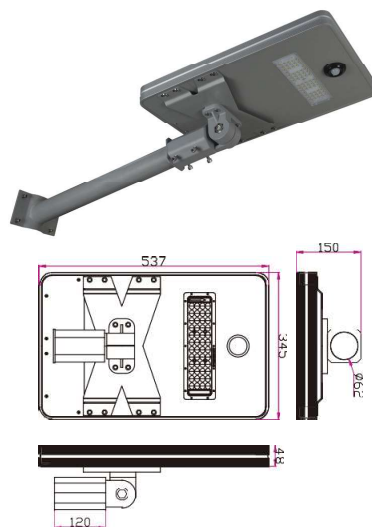
No. 1 Battery Cells
High-end battery cells keep every cell's voltage, resistance, capacity, discharging always in sync



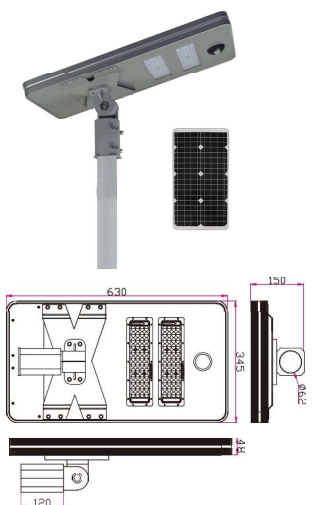
No. 2 Battery Protector
High precision IC keep performance more stable protect over load ,over charge , over discharge ,short circuit ,over voltage ,over current keep battery pack always safe and long life span

SPECIFICATIONS

Model :	SSL-ASL-B-20W
LED Type:	48pcs SMD 3030
Solar Panel:	18V 36W Monocrystalline
Battery Type:	LIFEP04 12.8V 18AH
Correlated color Temp (CCT):	6000K
LED Lifespan:	50 000 Hours
Charging Time:	6-8 Hours
Discharging Time:	30-36 Hours
Control:	Microwave Motion Sensor + Light Control + Timer Control
Efficacy:	160lm/W
Material:	Aluminium Alloy
Product Size:	L532xW343xH150mm
Installation Height:	3-5 Meters
Warranty:	5 Years

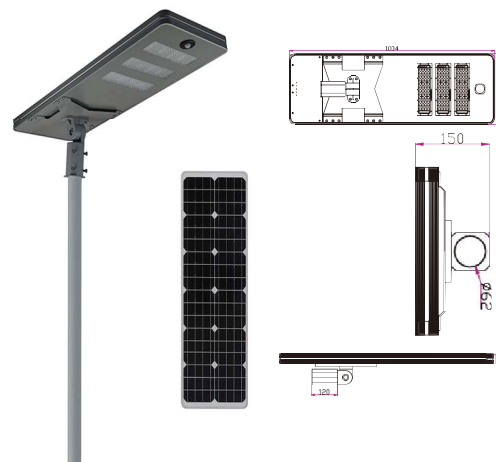


Model :	SSL-ASL-B-40W
LED Type:	96pcs SMD 3030
Solar Panel:	18V 45W Monocrystalline
Battery Type:	LIFEP04 12.8V 30AH
Correlated color Temp (CCT):	6000K
LED Lifespan:	50 000 Hours
Charging Time:	6-8 Hours
Discharging Time:	30-36 Hours
Control:	Microwave Motion Sensor + Light Control + Timer Control
Efficacy:	160lm/W
Material:	Aluminium Alloy
Product Size:	L642xW343xH150mm
Installation Height:	5-7 Meters
Warranty:	5 Years



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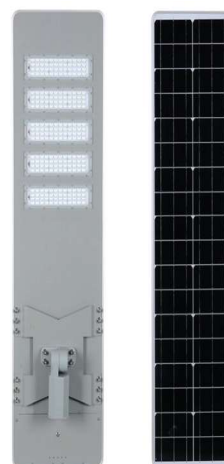
Model :	SSL-ASL-B-60W
LED Type:	144pcs SMD 3030
Solar Panel:	18V 65W Monocrystalline
Battery Type:	LIFEP04 12.8V 42AH
Correlated color Temp (CCT):	6000K
LED Lifespan:	50 000 Hours
Charging Time:	6-8 Hours
Discharging Time:	30-36 Hours
Control:	Microwave Motion Sensor + Light Control + Timer Control
Efficacy:	160lm/W
Material:	Aluminium Alloy
Product Size:	L1004xW343xH150mm
Installation Height:	7-9 Meters
Warranty:	5 Years



Model :	SSL-ASL-B-80W
LED Type:	192pcs SMD 3030
Solar Panel:	18V 88W Monocrystalline
Battery Type:	LIFEP04 12.8V 54AH
Correlated color Temp (CCT):	6000K
LED Lifespan:	50 000 Hours
Charging Time:	6-8 Hours
Discharging Time:	30-36 Hours
Control:	Microwave Motion Sensor + Light Control + Timer Control
Efficacy:	160lm/W
Material:	Aluminium Alloy
Product Size:	L1192xW343xH150mm
Installation Height:	8-12 Meters
Warranty:	5 Years



Model :	SSL-ASL-B-100W
LED Type:	240pcs SMD 3030
Solar Panel:	18V 100W Monocrystalline
Battery Type:	LIFEP04 12.8V 60AH
Correlated color Temp (CCT):	6000K
LED Lifespan:	50 000 Hours
Charging Time:	6-8 Hours
Discharging Time:	30-36 Hours
Control:	Microwave Motion Sensor + Light Control + Timer Control
Efficacy:	160lm/W
Material:	Aluminium Alloy
Product Size:	L1472xW343xH150mm
Installation Height:	8-12 Meters
Warranty:	5 Years



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Model :	SSL-ASL-B-120W
LED Type:	288pcs SMD 3030
Solar Panel:	18V 130W Monocrystalline
Battery Type:	LIFEPO4 12.8V 72AH
Correlated color Temp (CCT):	6000K
LED Lifespan:	50 000 Hours
Charging Time:	6-8 Hours
Discharging Time:	30-36 Hours
Control:	Microwave Motion Sensor + Light Control + Timer Control
Efficacy:	160lm/W
Material:	Aluminium Alloy
Product Size:	L1783xW384xH150mm
Installation Height:	8-12 Meters
Warranty:	5 Years

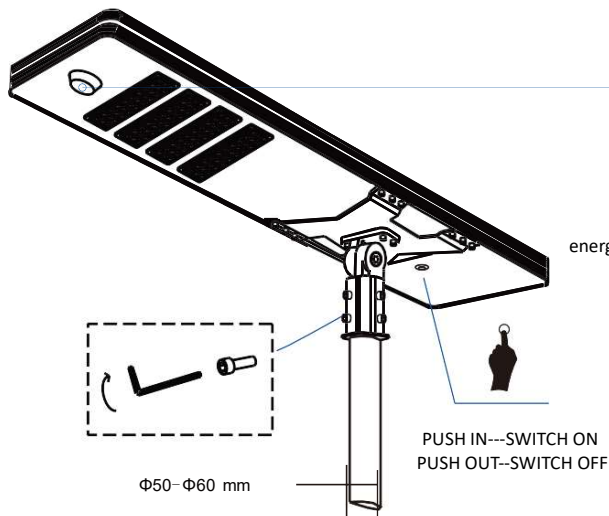
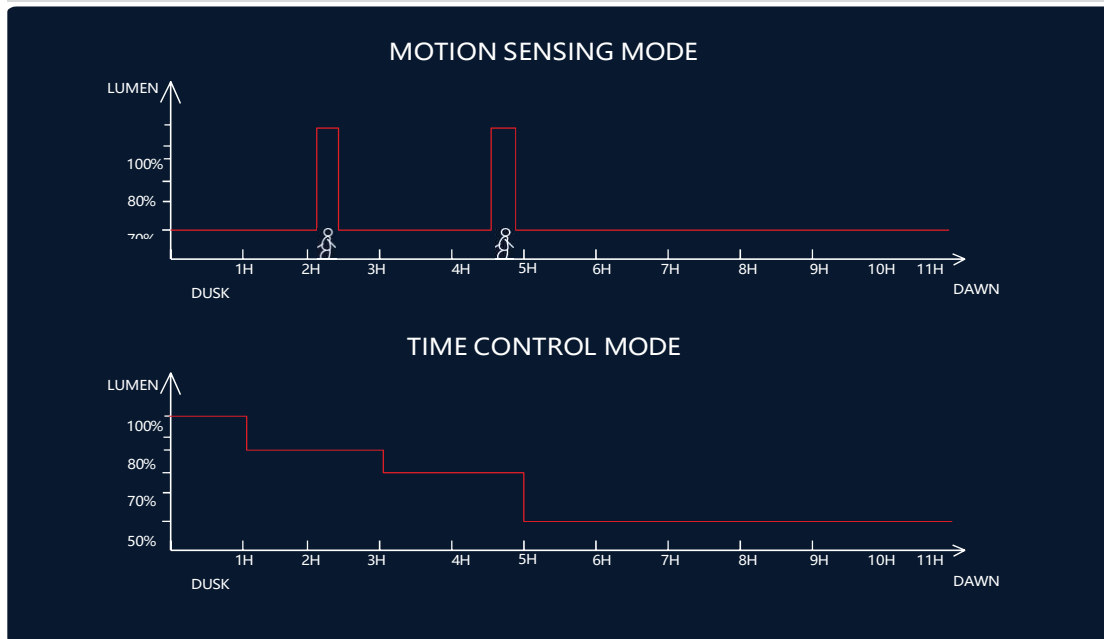


ORDERING INFORMATION

XXX	XXX	XXXX	XXXX	XXX	XXX	XXX	XXX	X
Product Family	Product ID	Product Size	Solar Panel	Power	Control	Efficacy	CRI	Protection
Solar Streetlight (SSL)	All in one Solar Streetlight Type B (ASL/B)	L532xW343x150(531) L642xW343x150(631) L1004xW343x150(1031) L1192xW343x150(1131) L1472xW343x150(1431) L1783xW384x150(1731)	18V/36W 18V/45W 18V/65W 18V/88W 18V100W 18V/120W	20W (0020) 40W (0040) 60W (0060) 80W (0080) 100W (0100) 120W (0120)	Mode 1: Time control 3hrs100% +2hrs 80%+7hrs 25% Mode 2: 100% 4hrs+8hrs 30% Mode 3: 100% 4hrs+8hrs 30% with Motion sensor Mode 4: 30% 12hrs, 100% Motion sensor Mode 5: Other Customized	160lm/W (170)	70 (7)	IP65 IK08

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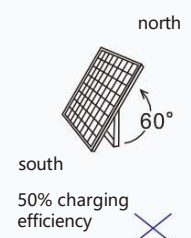
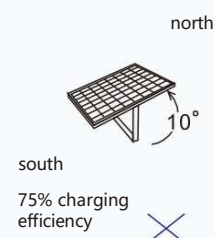
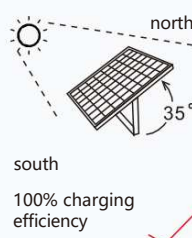
MOTION SENSOR



When nobody is in the sensor induction area the lamp works at 30% brightness energy-saving mode, and it will be 100% high brightness when people come across the light.

Tips:

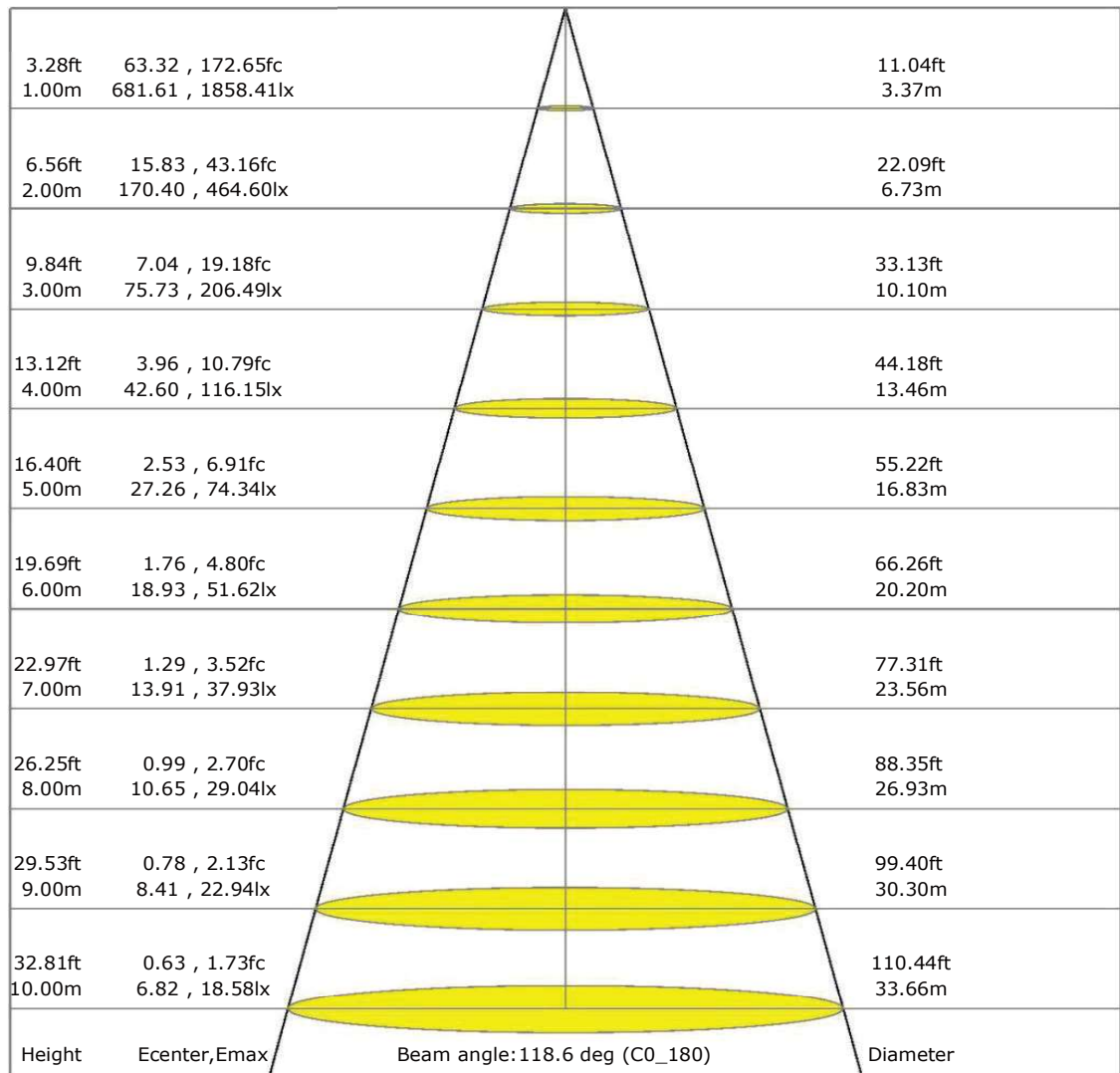
1. Installation direction of the solar panel is 5-10 degrees south to west, an angle of 35 degrees with the horizontal place.
2. Please install the solar panel in the sun direction to avoid affecting the power generation efficiency.
3. Please ensure the installation is stable.



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DISTANCE DIAGRAM



PHOTOMETRICS

