

A new **SKN** arrives now,
to illuminate throughout
the NIGHT!



Ideal solution: no cables, no construction, no bills!

Sta[®]LED Darksky





NEW Solar LED Street Light

MOON-T3 solar led street light , as the glory pioneer of AIT series (means battery and controller built in of luminaire) high power solar led street lights in the world since 2016, it is designed to simplify the complication of regular splitted solar street light and enstrengthen and expand the flexibility of all in one solar street light. **MOON-T3** is the most sucessful solar street light since 2016, more than 150,000 pcs have been supplied to many countries or regions bring the easy-accessable lighting service to the people in need.

Thanks for the development of lithium battery and solar charging system as well as led light technology, our company is able to combine these great technology into one luminaire, which enable lighting up the night so easily and with the minimum cost.



Darksky effect
CCT: 2200-2700 K
Less light pollution



High Brightness LED

High brightness led enhances visibility and safety while providing energy-efficient



LiFePo4 Battery

Grade A+ Battery cell with high uniformity of internal resistance and charging and discharging.



MPPT Charge Controller

maximizes energy efficiency ensuring longer battery life and consistent illumination without blackout.



Programmable by Remote

The lighting program can be modified anytime by remote control according to customers' requirement.



Robust Design

Robust design of light fixture provides superior durability, corrosion resistance, and heat dissipation.



Hybrid function (Solar & Grid)

Solar energy can be mixed with the power grid to ensure stable operation of street lights under any weather conditions

Key components



Optical Lens



LiFePO4 Battery



Motion Sensor

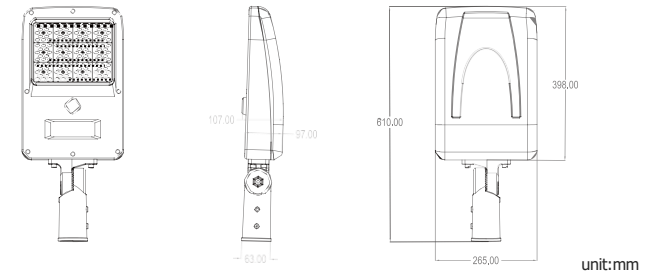


Adjustable Installation Bracket

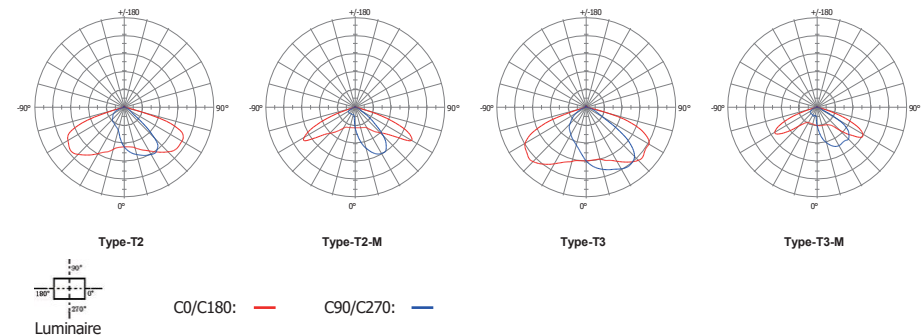
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Sta®LED Moon T3

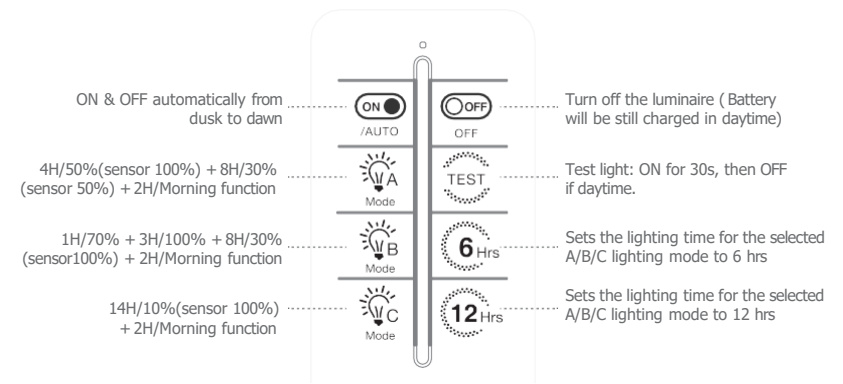
PRODUCT SIZE



LED OPTICS OPTIONAL



REMOTE CONTROL



Note :

1. Turn on switch button in the solar light before use.
2. Default lighting mode: A.
3. Modes A/B/C programs could be changed prior to notice, pls be subject to the sticker at backside of remote.
4. Press OFF to turn off light (Charging will be still functional), Press ON restores last setted mode.
5. 6Hrs/12Hrs : Set duration for current mode (A/B/C). Press mode button (A/B/C) again to reset to default time.

Vertical Solar Square Street Light

30W I 4,800lm



Light Head

Luminous flux	4,800lm
Peak LED power	30W
CRI	>79
CCT range (dual color)	2200K / 3000K / 4000K / 5000K / 6000K
LED lifetime	>100,000 hours
Light dimension	610*265*97mm
Warranty	5 years

MPPT Controller

System voltage	12V
Regular solar panel	130W/18V
Vertical solar module	400W/18V
MPPT tracking efficiency	98%
Max load power	60W
Operating temperature	-35 °C ~ 65 °C
IP rate	IP68

Vertical Solar Square

Peak Power	2x164Wp=318WP Total
Max. power voltage	36V –Solar Cells efficie. 22,2%
Dimension - size	188*188*1240mm (x2) =2480mm
Cable & connector	2.5mm ² with Mc4 plugs
Operating Temperature	-20 °C ~ +70 °C
Lifetime	>20 years
Waranty	5 years

LiFePO4 Battery

Battery type	LifePO4 6000mA 3.2V 32700
Battery capacity	307WH 12.8V
Battery lifetime	4000 cycles @ D.O.D 50%
Charge mode	C.C + C.V
Storage Temperature	+5 °C ~ +35 °C
Operating Temperature	-25°C~65°C
Warranty	5 Years



Vertical Solar Square Street Light

50W I 6,800lm



Light Head

Luminous flux	6,800lm
Peak LED power	50W
CRI	>79
CCT range (dual color)	2200K / 2700 / 3000K / 4000K / 5000K
LED lifetime	>100,000 hours
Light dimension	610*265*97mm
Warranty	5 years

MPPT Controller

System voltage	12V
Regular solar panel	130W/18V
Vertical solar module	400W/18V
MPPT tracking efficiency	98%
Max load power	60W
Operating temperature	-35 °C ~ 65 °C
IP rate	IP68

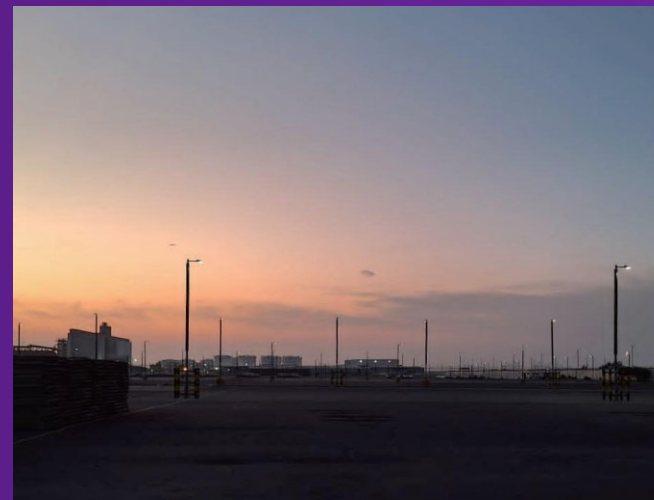
Vertical Solar Square

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LiFePO4 Battery

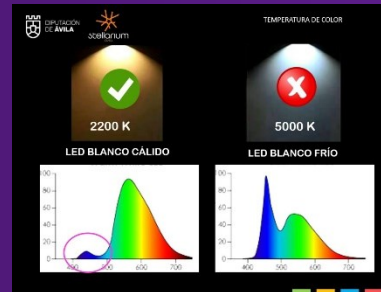
Battery type	LifePO4 6000mA 3.2V 32700
Battery capacity	460WH 12.8V
Battery lifetime	4000 cycles @ D.O.D 50%
Charge mode	C.C + C.V
Storage Temperature	+5 °C ~ +35 °C
Operating Temperature	-25°C~65°C
Warranty	5 Years





NEW Solar LED Street Light

SATURN-T6 solar-led street light is dedicated to providing continuous and ultra-high brightness output for the main road market. It build-in big capacity of LifePO4 battery pack up to 768WH max whose lifetime could reach to more than 10 years in energy-saving mode, and It equips 64pcs of SMD5050 (5W/led) as lighting engine, it is driven by constant voltage and lower current in order to get superb high luminous output up to 180lm/W. **SATURN-T6** is a perfect model for poles from 6 meters up to 10 meters.



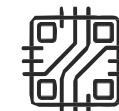
High Brightness LED

High brightness led enhances visibility and safety while providing energy-efficient



LiFePo4 Battery

Grade A+ Battery cell with high uniformity of internal resistance and charging and discharging.



MPPT Charge Controller

maximizes energy efficiency ensuring longer battery life and consistent illumination without blackout.



Programmable by Remote

The lighting program can be modified anytime by remote control according to customers' requirement.



Robust Design

Robust design of light fixture provides superior durability, corrosion resistance, and heat dissipation.



Hybrid function (Solar & Grid)

Solar energy can be mixed with the power grid to ensure stable operation of street lights under any weather conditions

Key components



Optical lens



LiFePO4 Battery



Die-cast aluminum housing

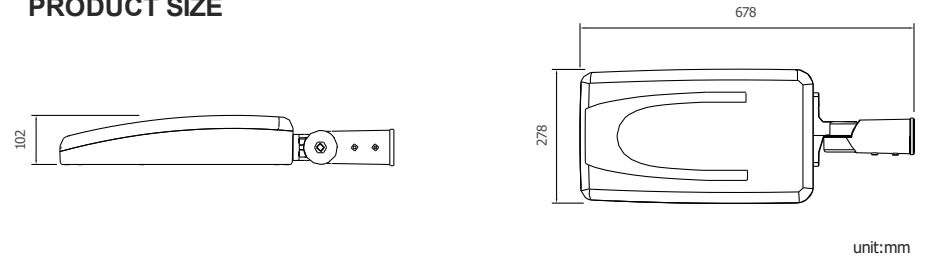


Adjustable installation bracket

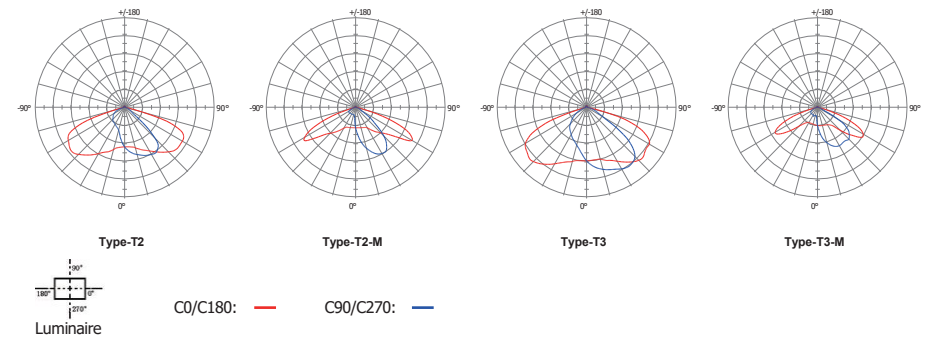
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Sta® LED Saturn T6

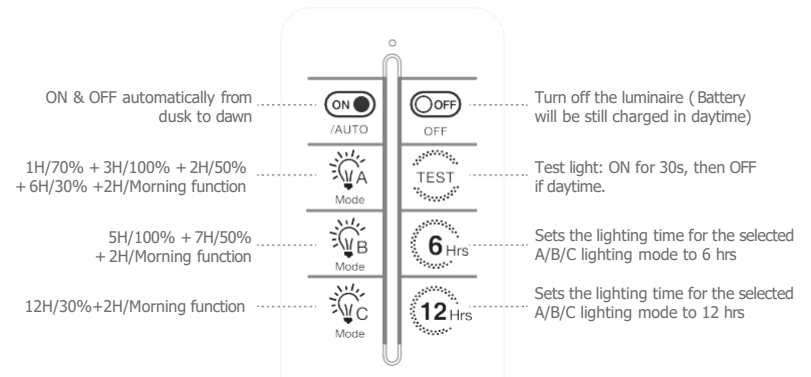
PRODUCT SIZE



LED OPTICS OPTIONAL



REMOTE CONTROL



Note :

1. Turn on switch button in the solar light before use.
2. Default lighting mode: A.
3. Modes A/B/C programs could be changed prior to notice, pls be subject to the sticker at backside of remote.
4. Press OFF to turn off light (Charging will be still functional), Press ON restores last setted mode.
5. 6Hrs/12Hrs : Set duration for current mode (A/B/C). Press mode button (A/B/C) again to reset to default time.

Sta® LED Saturn TB

Vertical Solar Square Street Light

60W | 8,800lm



Light Head

Luminous flux	8,800lm
Peak LED power	60W
CRI	>80
CCT range (dual color)	2200K / 2700 / 3000K / 4000K / 5000K
LED lifetime	>100,000 hours
Light dimension	678*278*102mm
Warranty	5 years

MPPT Controller

System voltage	12V
Regular solar panel	200W/18V
Vertical solar module	500W/18V
MPPT tracking efficiency	98%
Max load power	80W
Operating temperature	-35 °C ~ 65 °C
IP rate	IP68

Vertical Solar Square

Peak Power	2x268 WP= 536 WP Total
Max. power voltage	36V – Solar cells Efficiency= 22,2%
Dimension - size	188*188*2020mm (x2)=4040 mm
Cable & connector	2.5mm ² with Mc4 plugs
Operating Temperature	-20 °C ~ +70 °C
Lifetime	>20 years
Waranty	5 years

LiFePO4 Battery

Battery type	LifePO4 6000mA 3.2V 32700
Battery capacity	538WH 12.8V
Battery lifetime	4000 cycles @ D.O.D 50%
Charge mode	C.C + C.V
Storage Temperature	+5 °C ~ +35 °C
Operating Temperature	-25°C~65°C
Warranty	5 Years



Sta® LED Saturn TB

Vertical Solar Square Street Light

80W | 12,800lm



Light Head

Luminous flux	12,800lm
Peak LED power	80W
CRI	>80
CCT range (dual color)	2200K / 2700 / 3000K / 4000K /5000K
LED lifetime	>100,000 hours
Light dimension	678*278*102mm
Warranty	5 years

MPPT Controller

System voltage	12V
Regular solar panel	200W/18V
Vertical solar module	500W/18V
MPPT tracking efficiency	98%
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Vertical Solar Square

Peak Power	268WP - Total: 536 WP
Max. power voltage	36V – Solar cells Efficiency= 22,2%
Dimension - size	188*188*2020mm (x2)=2040 mm
Cable & connector	2.5mm ² with Mc4 plugs
Operating Temperature	-20 °C ~ +70 °C
Lifetime	>20 years
Waranty	5 years

LiFePO4 Battery

Battery type	LifePO4 6000mA 3.2V 32700
Battery capacity	768WH 25.6V
Battery lifetime	4000 cycles @ D.O.D 50%
Charge mode	C.C + C.V
Storage Temperature	+5 °C ~ +35 °C
Operating Temperature	-25°C~65°C
Warranty	5 Years



Sta®LED Moon T3



Sta®LED Saturn T6



Modern Integrated Battery System

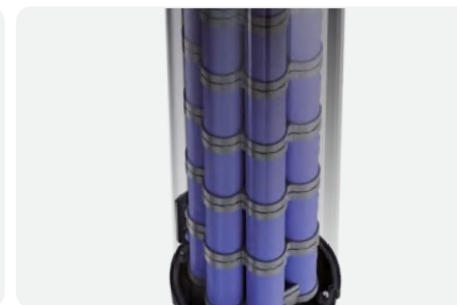


Main Specification

Battery Cell	6000mAh 3.2V 32700	15000mAh 3.2V 32140
Nominal Capacity	12.8V/25.6V 36AH~90AH	12.8V/25.6V 60AH~90AH
Charge Mode	C.C + C.V	•
Operating Temperature	-15°C ~ +65°C	•
Lifetime (D.OD. 60%)	4,000 cycles	•
Warranty	5 Years	•



OFF GRID



LiFePO4
Battery



Intelligent
Control



High brightness
LED



Biodiversity
Protection



IP65
Waterproof



Designed
Aesthetically



Remote
Control



Hybrid function
(Solar & Grid)

Sta®LED Darksky

DARK SKY
FRIENDLY
for a better
FUTURE

General table of the main technical parameters:



Model Name:	Moon-T3	Moon-T5	Saturn-T6	Saturn-T8
Peak LED Power	30W	50W	60W	80W
Luminous Flux	5,100lm	7,500lm	10,200lm	13,600lm
LED Chips	128pcs SMD3030 1W	•	64pcs SMD5050 5W	•
CRI	>79	•	•	•
CCT Range	2200/2700K	•	•	•
Beam Angle	Type I/II/III/III optional			
Battery Cell	LiFePO4 32700 6000mAH	•	•	•
Battery Capacity	307WH 12.8V	460WH 12.8V	560WH 12.8V	768WH 12.8V
Charge Controller	Programmable MPPT	•	•	•
Solar Panel Min	80W 18V	100W 18V	120W 18V	160W 18V
Working Temp.	-15°C ~ 65°C	•	•	•
Cable & Connector	2.5MM2 Cable with MC4	•	•	•
Control Method	Automatica ON/OFF dusk to dawn	•	•	•
Motion Sensor	Microwave / PIR Infrared	•	•	•
Fixture Size	610*265*98mm	•	675*277*109mm	•
Installation Size	60mm	•	•	•
Fixture Color	Grey / Customized	•	•	•



LED Light head
 PLP: 30W - 4.400lm
 CCT Range: 2200 - 5000K

Darksky effect
 CCT: 2200 - 2700 K
 Less light pollution

Battery inside
 307 WH - 12.8V
 (Optional Hybrid CV+CC)

Vertical Solar Panel
 2X164WP= 328 W - 36V
 2x(188x188x1240= 2480mm)

4 meters

Sta@LED Moon T3



Sta@LED Moon T3

Alu Dia Casting Heat Sink

Solar Controller

Waterproof Rubber

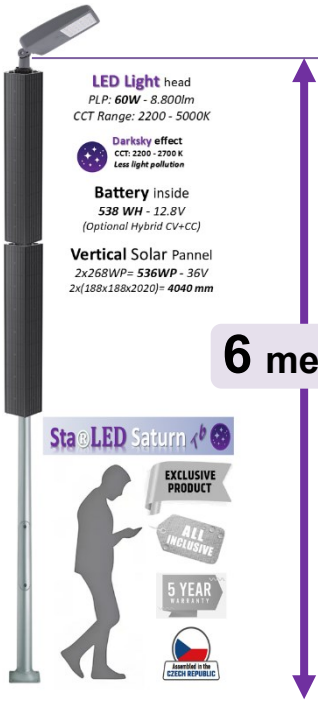
Microwave / PIR Sensor
 (invisible here)

Battery Pack Holder

Lithium Battery Pack

Rotatable Bracket

Screws for tighten



LED Light head
 PLP: 60W - 8.800lm
 CCT Range: 2200 - 5000K

Darksky effect
 CCT: 2200 - 2700 K
 Less light pollution

Battery inside
 538 WH - 12.8V
 (Optional Hybrid CV+CC)

Vertical Solar Panel
 2x268WP= 536WP - 36V
 2x(188x188x2020)= 4040 mm

6 meters

Sta@LED Saturn T6



Sta@LED Saturn T6

Aluminium heat sink

Waterproof rubber ring

MPPT solar Controller

Lithium battery pack

Battery holder

Rotable Bracket



4000 cycles



LiFePO4 Battery	Intelligent Control	High brightness LED	Biodiversity Protection	IP65 Waterproof	Designed Aesthetically	Remote Control	Hybrid function (Solar & Grid)

Sta@LED Darksky

DARK SKY FRIENDLY
 for a better FUTURE





DARK SKY FRIENDLY
for a better
FUTURE

ENLUBE

