



**ST2**

**SOLAR STAR LIGHT**

POWER:20w - 100w

LUMENS:2600lm - 13000lm



Battery program  
Updated



Power Control



Patent Bat-wing Lens



Light Efficiency  
Management



LifePO4 Lithium  
Battery



Fashionable Design



Control Mode  
Management

# Full Range of Six Products



## Product Features:

- 1.Hollow shell design timely heat dissipation, extend lifetime.
- 2.100pcs of high efficiency LED chips Batwing lens with professional light distribution.
- 3.Built-in motion sensor function saving power, lighting time longer.
- 4.Rotating holder, fit different angle's installation.
- 5.Indicator lights of battery display power of lamp obviously.
- 6.Mono solar panel 22% efficiency.
- 7.Anti-corrosion aluminum shell.
- 8.Modular design replace battery easily.
- 9.LiFePO4 battery 2000 times cycle of charge & discharge.



Parameter

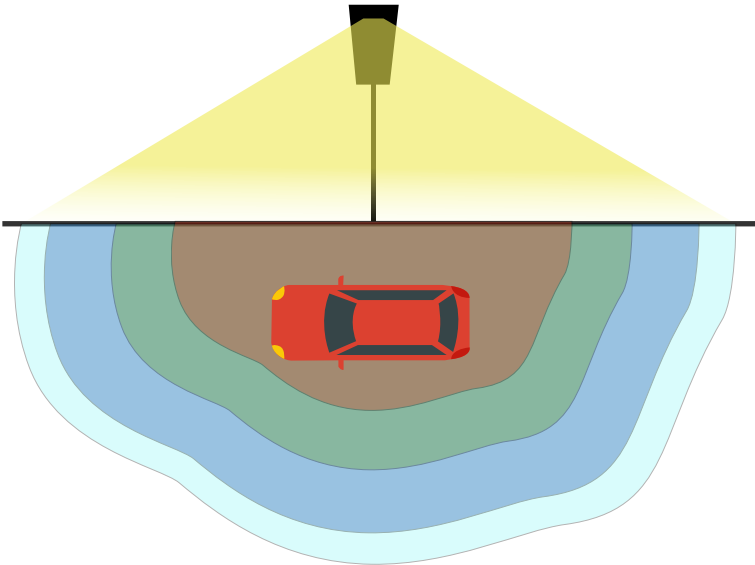
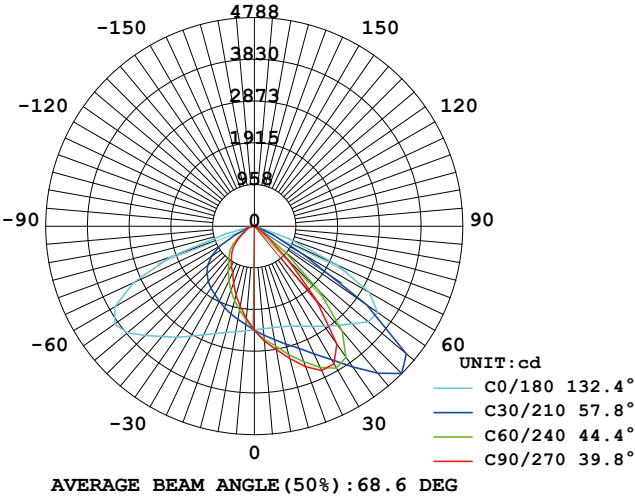
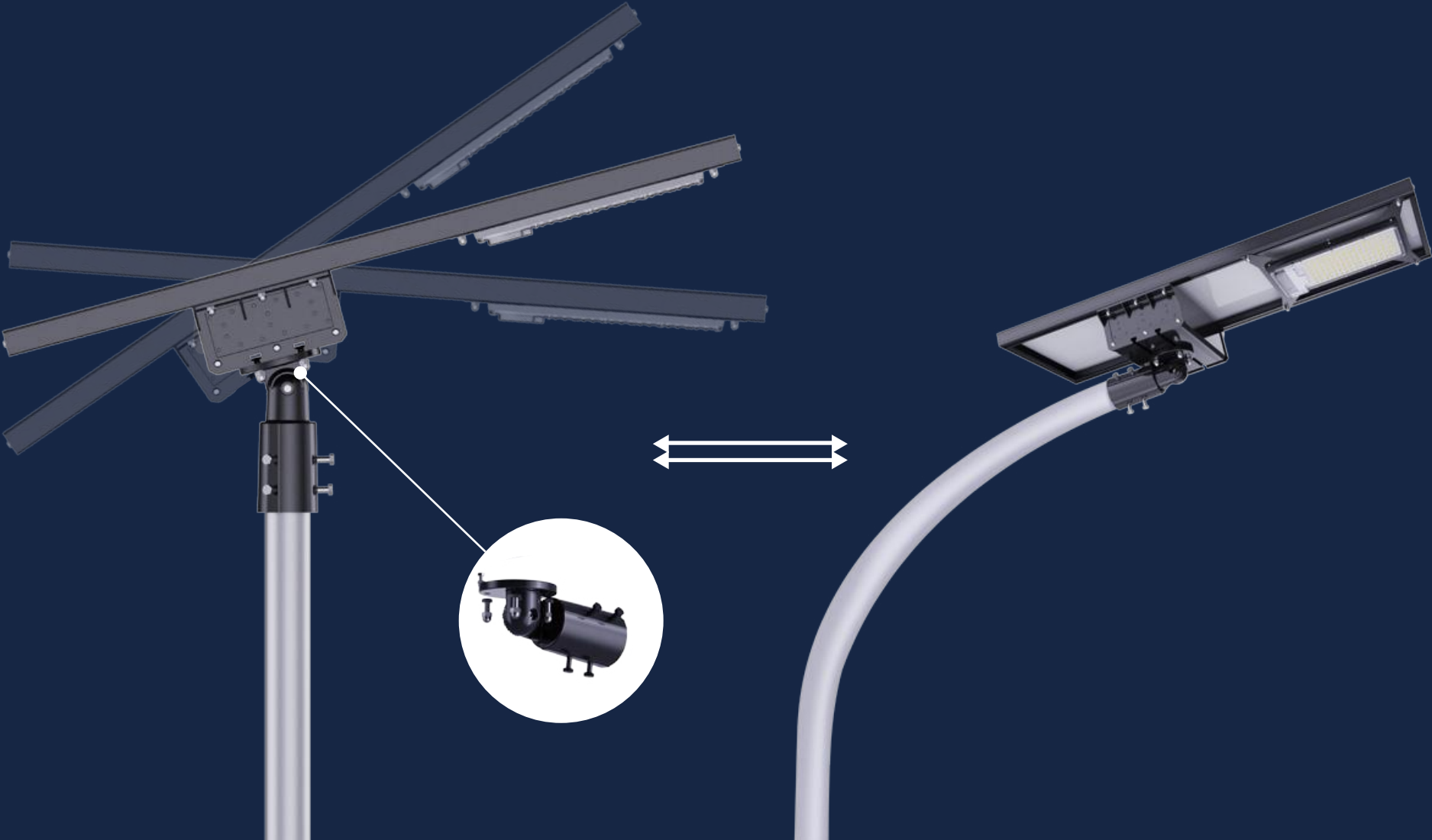
Type	ST2-20	ST2-30	ST2-40	ST2-60	ST2-80	ST2-100
Solar panel	36W/5V	45W/6V	60W/6V	80W/18V	110W/18V	110W/18V
LiFePO4 battery	192WH	256WH	320WH	512WH	640WH	768WH
Charge cycle times	2000 times					
Luminous flux	2600LM	3900LM	5200LM	7800LM	10400LM	13000LM
Lamp power	20W	30W	40W	60W	80W	100W
LED qty	100pcs				200pcs	
Lifespan of LED	50000 hrs					
Color temperature	3000-7500K					
Light distribution	Batwing lens with polarized light					
Lighting time	5-7 rainy days					
Working temperature	-20℃~60℃					
Top diameter of pole	60mm	60mm	60mm	76mm	76mm	76mm
Mounting height	5-6m		7-8m		9-10m	
Installation spacing	20-40m					

PRODUCT ADVANTAGES



Hollow shell design  
Timely heat dissipation, extend lifetime

# Various installation and angle adjustable



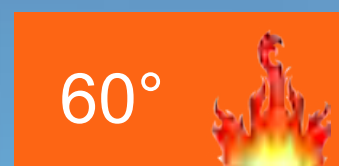
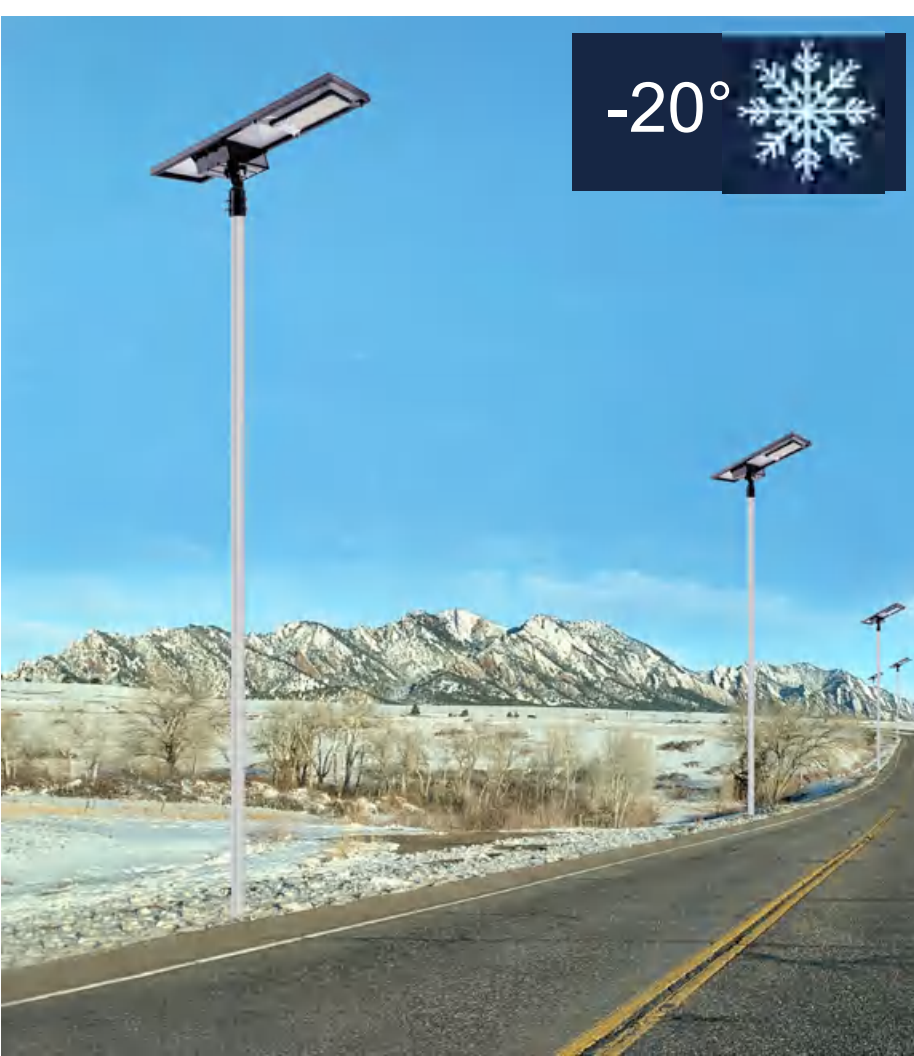




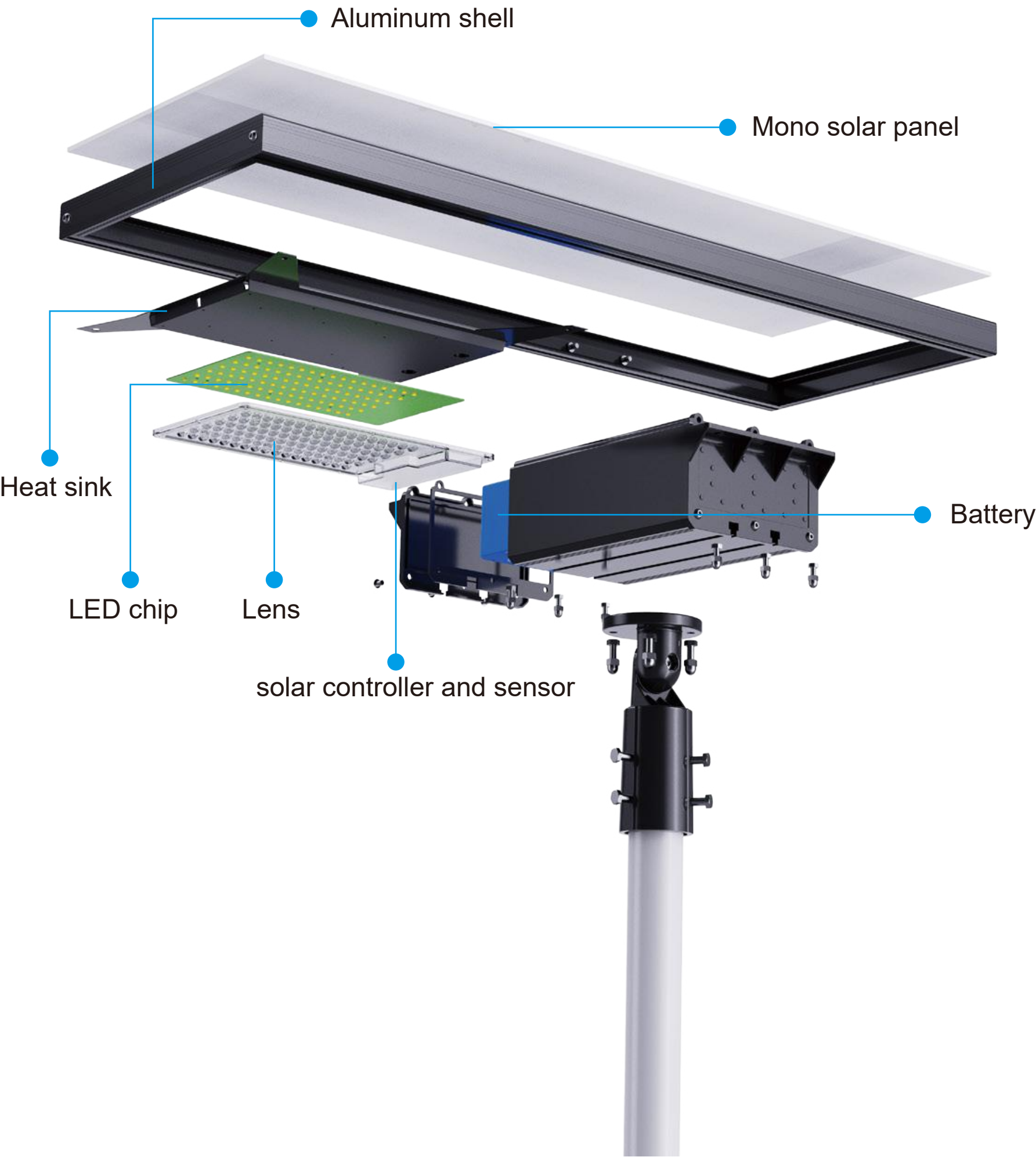
## Waterproof IP65 6 WORKING MODES

No fear of bad weather,  
meet the needs of outdoor use.

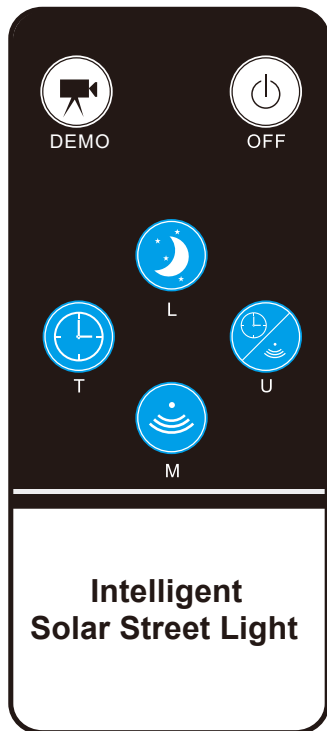
Modular design  
Replace battery easily









# DETAILS DISPLAY



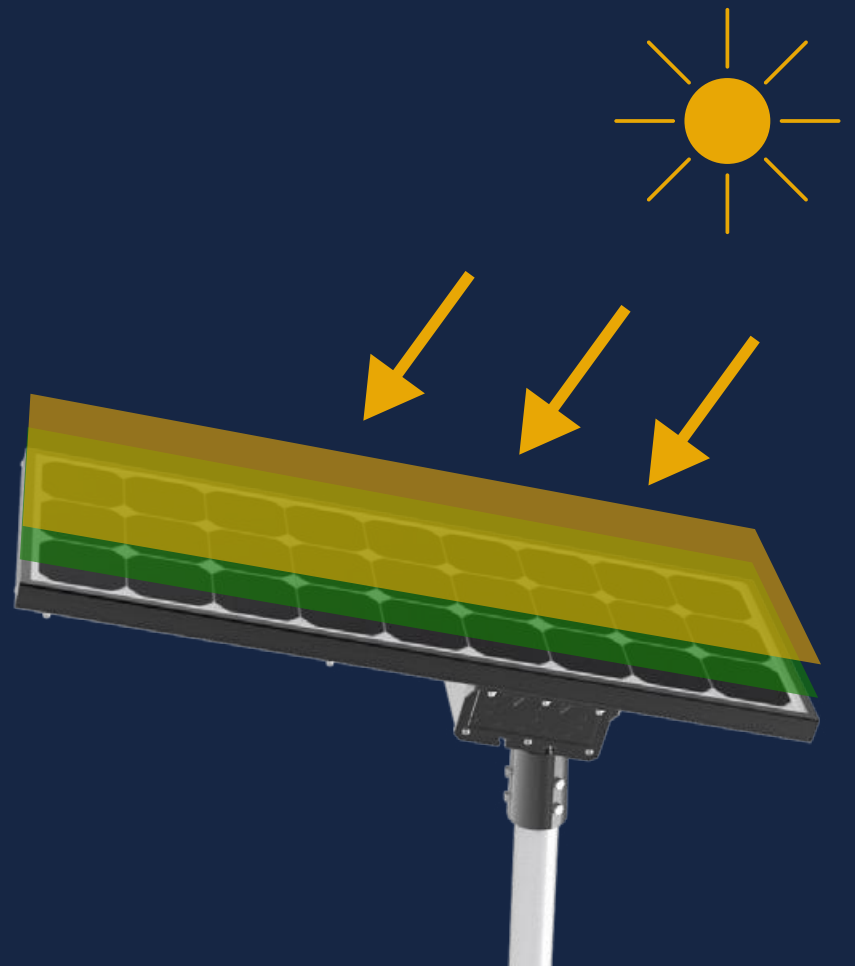
## ◆ 6 working modes

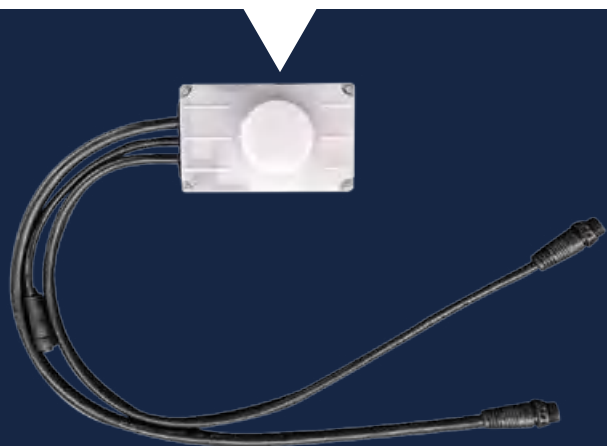
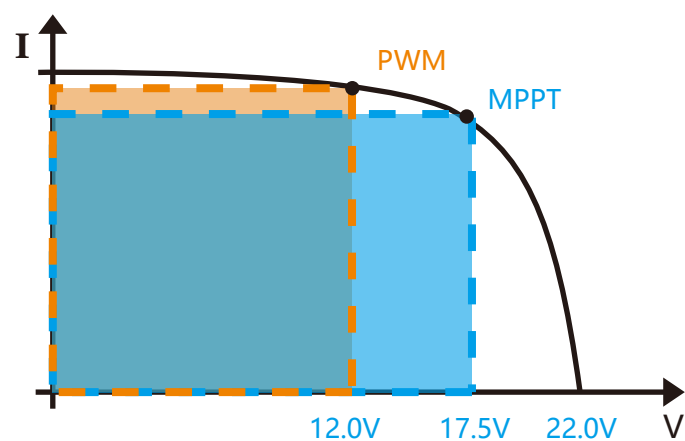


-  **DEMO:** No matter day or night, light "on" for 1 minute. Only for test use.
-  **OFF:** Light "off", no matter day or night.
-  **L:** At night, 100%-2hrs, 70%-2hrs, 30%-dawn.
-  **T:** At night, 100%-1hr, 70%-2hrs, 40%-3hrs.
-  **M:** At night, 50%-1hr, 100%-3hrs, 30%-dawn.
-  **U:** 100%-1hr, 70%-3hrs, 50% light when people come, 20% standby after 20 seconds.

**Note:** Default is L mode, once a certain mode was set successfully, it will be reserved until you change other modes with remote control.

Mono solar panel  
22% efficiency





MPPT solar  
charge controller

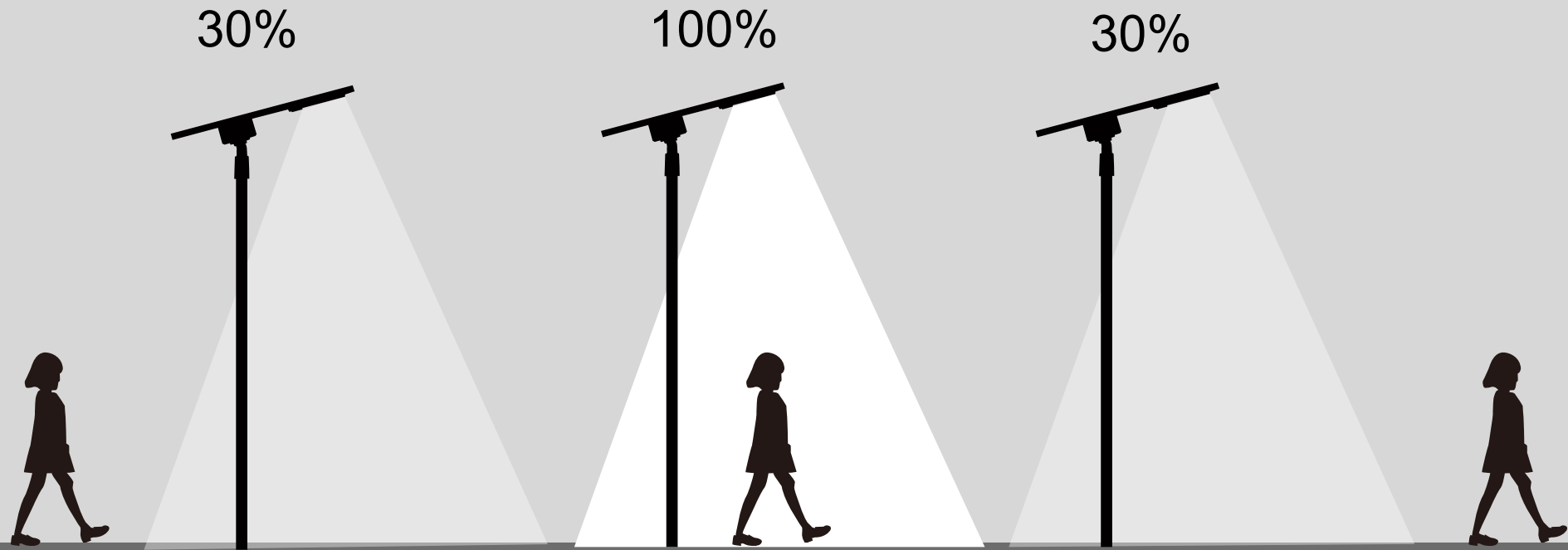
100pcs of high  
efficiency LED chips





Built-in motion sensor function saving  
power, lighting time longer

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Item No	Dimension
<div data-bbox="95 287 449 500"> <p>ST2-20</p> <p>20W</p> <p>644*370*130mm</p> </div>	<div data-bbox="735 255 1550 473"> </div>
<div data-bbox="95 766 449 978"> <p>ST2-30</p> <p>30W</p> <p>764*370*130mm</p> </div>	<div data-bbox="751 776 1554 984"> </div>
<div data-bbox="95 1244 477 1457"> <p>ST2-40</p> <p>40W</p> <p>1004*370*130mm</p> </div>	<div data-bbox="751 1276 1654 1500"> </div>
<div data-bbox="95 1766 477 1979"> <p>ST2-60</p> <p>60W</p> <p>1344*370*130mm</p> </div>	<div data-bbox="751 1787 1821 2010"> </div>
<div data-bbox="95 2261 489 2473"> <p>ST2-80/100</p> <p>80W/100W</p> <p>1314*526*130mm</p> </div>	<div data-bbox="727 2271 1864 2542"> </div>







**ST3**

**SOLAR STAR LIGHT**

POWER:60W - 100W

LUMENS:7800lm - 13000lm



Battery program Updated



Power Control



Patent Bat-wing Lens



Light Efficiency  
Management



LifePO4 Lithium Battery



Fashionable Design



Control Mode Management



#### Product Features:

- 1.Hollow shell design timely heat dissipation, extend lifetime.
- 2.100-200pcs high efficiency LED chips Batwing lens with professional light distribution.
- 3.Built-in motion sensor function saving power, lighting time longer.
- 4.Rotating holder, fit different angle's installation.
- 5.Indicator lights of battery display power of lamp obviously.
- 6.Mono solar panel 20% efficiency.
- 7.Anti-corrosion aluminum shell.
- 8.Modular design replace battery easily.
- 9.LiFePO4 battery 2000 times cycle of charge & discharge.

# Parameter

Type	ST3-60	ST3-80	ST3-100
Solar panel	80W+16W	110W+22W	110W+22W
LiFePO4 battery	512WH	640WH	768WH
Charge cycle times	2000 times		
Luminous flux	7800LM	10400LM	13000LM
Lamp power	60W	80W	100W
LED qty	100pcs	200pcs	200pcs
Lifespan of LED	50000 hrs		
Color temperature	3000-7500K		
Light distribution	Batwing lens with polarized light		
Lighting time	5-7 rainy days		
Working temperature	-20℃ ~60℃		
Top diameter of pole	76mm		
Mounting height	7-10m		
Installation spacing	20-40m		

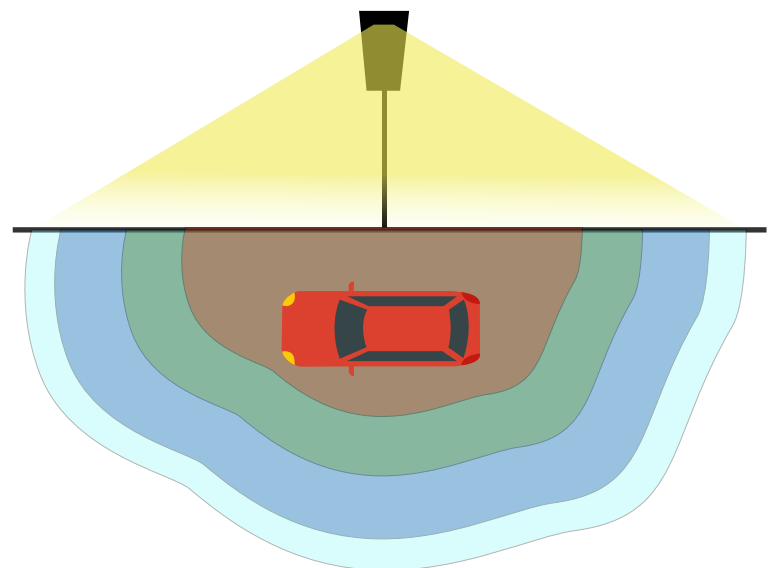
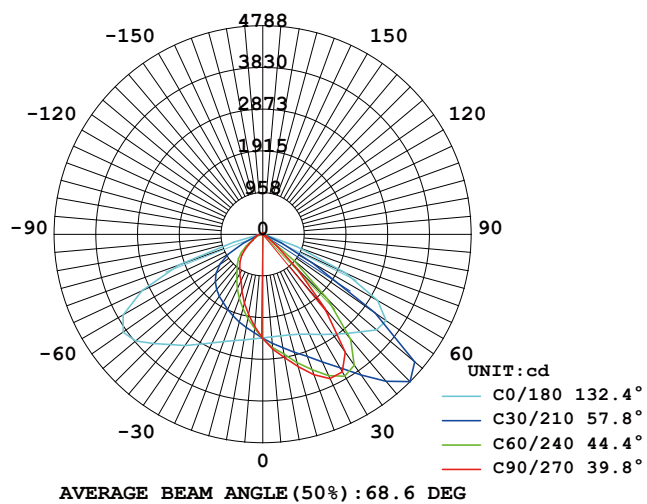
## PRODUCT ADVANTAGES



Charging more 20%

High efficiency solar panel







# Waterproof IP65 6 WORKING MODES

No fear of bad weather,  
meet the needs of outdoor use.



Modular design  
Replace battery easily









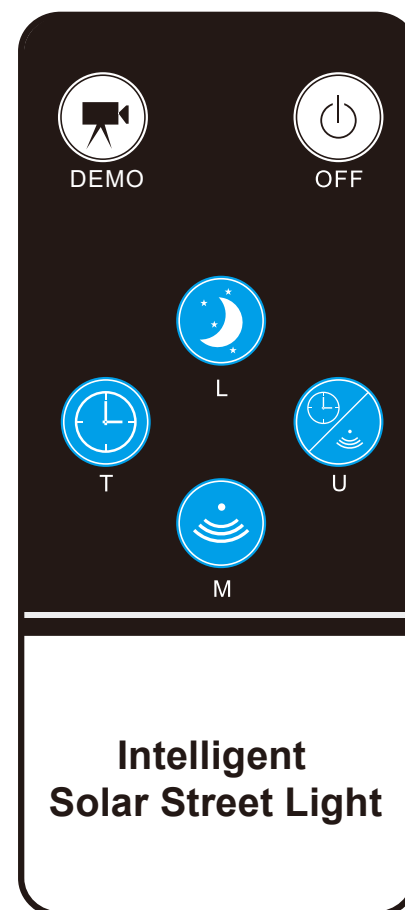
## DETAILS DISPLAY





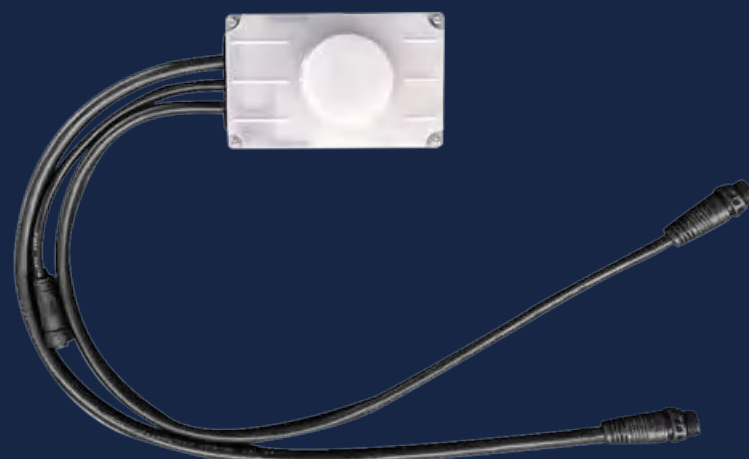
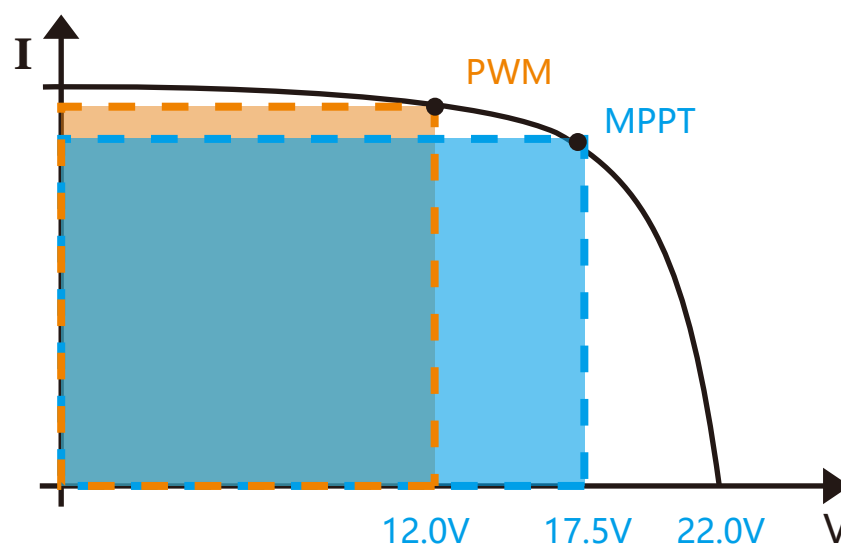
## 6 working modes

-  DEMO: No matter day or night, light "on" for 1 minute. Only for test use.
-  OFF: Light "off", no matter day or night.
-  L: At night, 100%-2hrs, 70%-2hrs, 30%-dawn.
-  T: At night, 100%-1hr, 70%-2hrs, 40%-3hrs.
-  M: At night, 50%-1hr, 100%-3hrs, 30%-dawn.
-  U: 100%-1hr, 70%-3hrs, 50% light when people come, 20% standby after 20 seconds.



Note: Default is L mode, once a certain mode was set successfully, it will be reserved until you change other modes with remote control.

MPPT solar  
charge controller





100-200pcs high efficiency LED chips

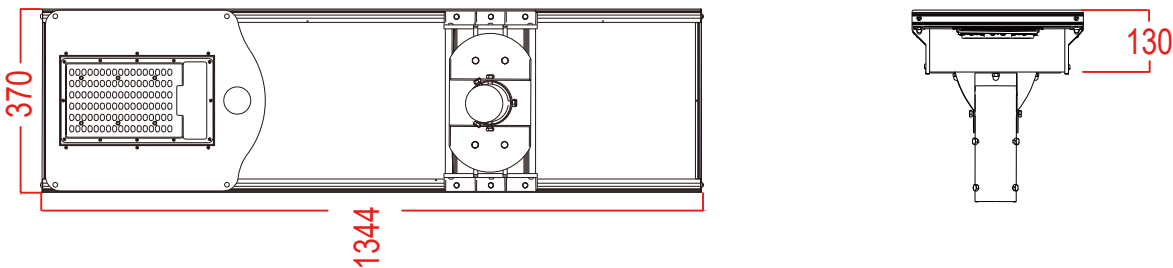
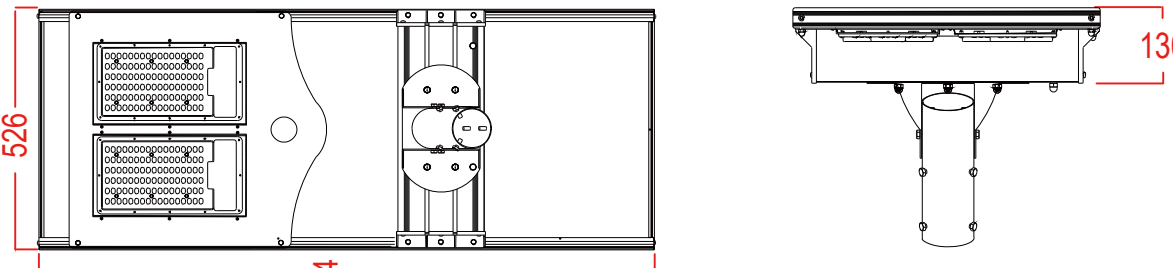
Built-in motion sensor function saving power, lighting time longer

30%

100%

30%



Item No	Dimension
<p>ST3-60</p> <p>80W+16W</p> <p>1344*370*130mm</p>	
<p>ST3-80/100</p> <p>110W+22W</p> <p>1314*526*130mm</p>	

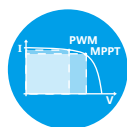




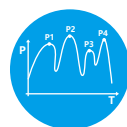
# SOLAR STAR LIGHT PRO

POWER:65W - 100W

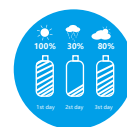
LUMENS:10400lm - 16000lm



**MPPT Technology**



**Multi-Peak MPPT**



**IPC 5.0 Technology**



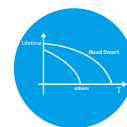
**ICD Technology**  
(Intelligent Charge and Discharge)



**Dual Low-power**  
**Consumption**



**ITC Technology**  
(Intelligent Temperature Control)



**HPCV Technology**





High light efficiency: 180lm/W

#### Product Features:

1. 200pcs of high efficiency 3030 LED chips batwing lens with professional light distribution.
2. High power 65W-100W. High light efficiency 160lm/w.
3. Microwave motion sensor optional.
4. IOT module optional.
5. Anti-corrosion Aluminum shell.
6. Modular design Replace battery easily.
7. Patent structure design, solar panel angle adjustable.
8. Mono solar panel 22% efficiency.
9. Multi peak MPPT controller.
10. LiFePO4 battery 2000 times cycle of charge & discharge.

# Parameter

	Type	SP-110	SP-160	SP-165
LIGHT	Power	65W	80W	100W
	LED chip	SMD3030/200pcs		
	LED Brand	Bridgelux		
	IP Rating	IP65		
	Flux @ CCT 5700-6000K	10400LM	12800LM	16000LM
	CRI	70 / 80		
	Beam angle	140*60		
	Light distribution	Bat-wing Type II		
	Shell material	Aluminum alloy		
	Working temperature	-20°C to 60°C		
	Lifespan	50000hrs		
BATTERY	Power	768WH	1152WH	1536WH
	Lighting time @ Full power	11.82hrs	14.4hrs	15.36hrs
	Lighting time @ Dimming/Power control	3-5days		
	Lithium battery	LiFePO4		
	Charging cycles	>2000times		
SOLAR PANEL	Power	110W	160W	160W
	Voltage	18V		
	Type	Monocrystalline silicon		
	Efficiency	22%		
	Lifespan	>25years		
CONTROLLER	Charging method	Multi-peak MPPT		
	Working modes	100%-2hrs,70%-2hrs,30%-dawn (Compound with photocell sensor, dimming, intelligent power control saving)		
	Circuit protection	High / Low temperature protections		
		Short circuit & Open load protections		
		Overcharging & Overdischarging protections		
INSTALLATION	Top diameter	76mm		
	Height	7-8m	9-10m	11-12m
	Spacing	30m	35m	40m
WARRANTY	3years on all components - option to extend			

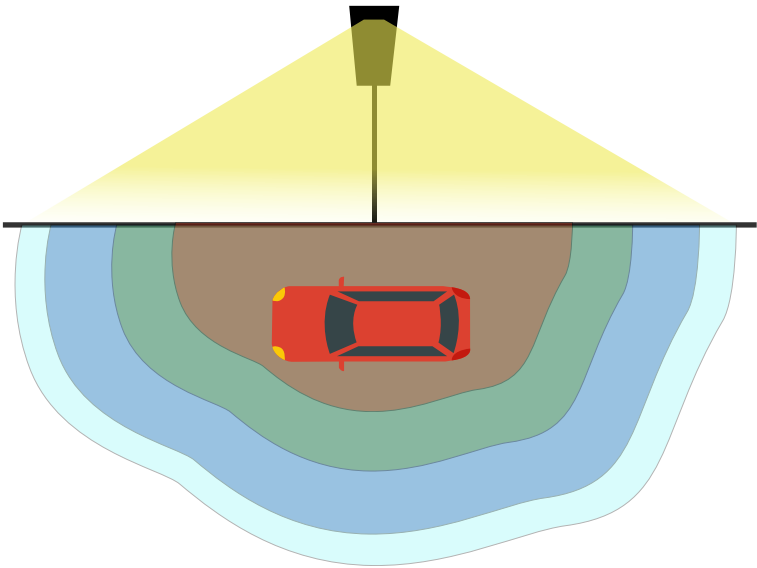
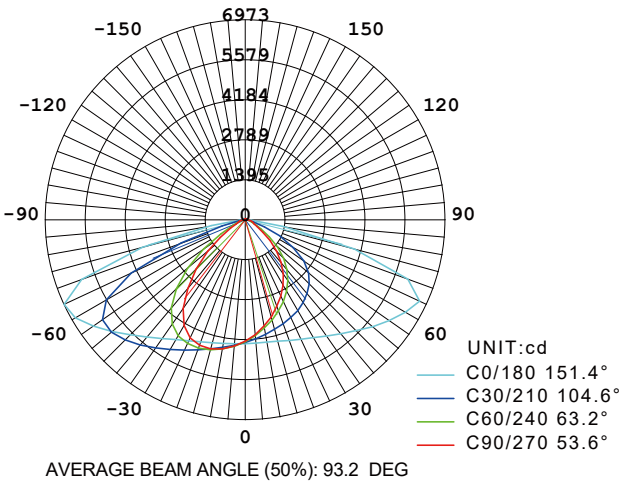


# PRODUCT ADVANTAGES

SP-110W  
65W  
10400lm

SP-160W  
80W  
12800lm

SP-165W  
100W  
16000lm



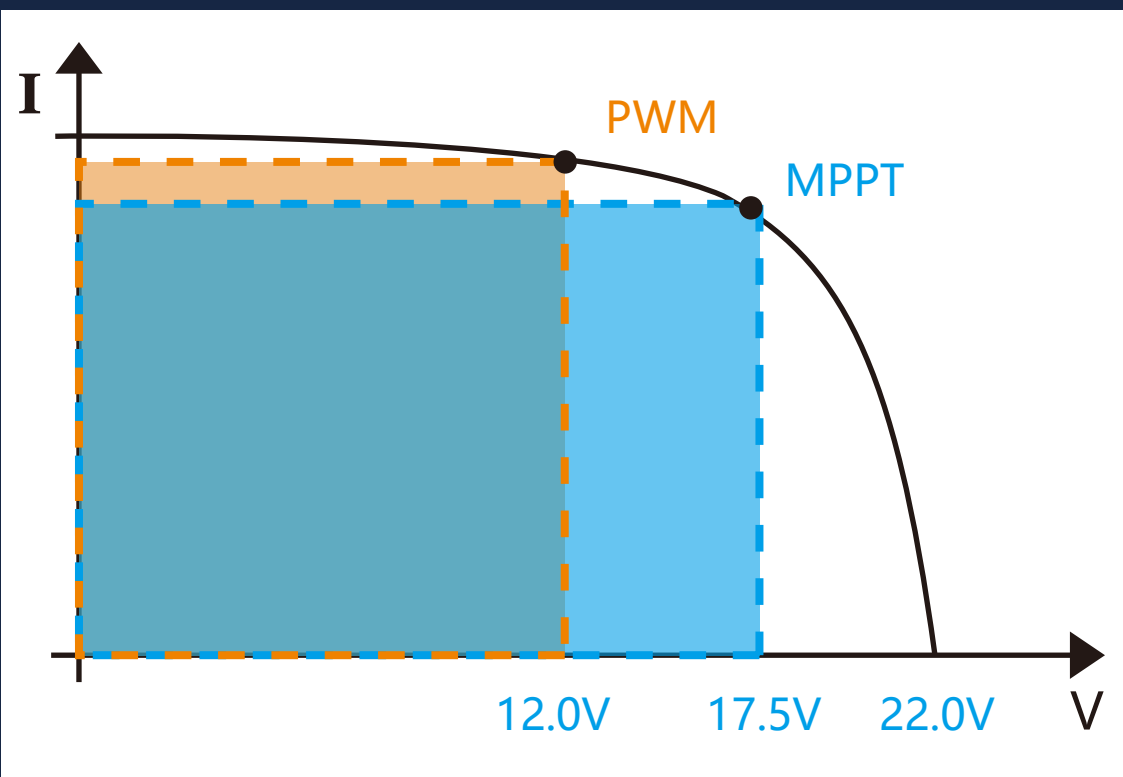
## Waterproof IP65

No fear of bad weather,  
meet the needs of outdoor use.



## DETAILS DISPLAY





MPPT solar  
charge controller

200pcs high  
efficiency LED chips



LiFePO4 battery 2000  
times cycle of charge

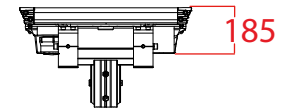
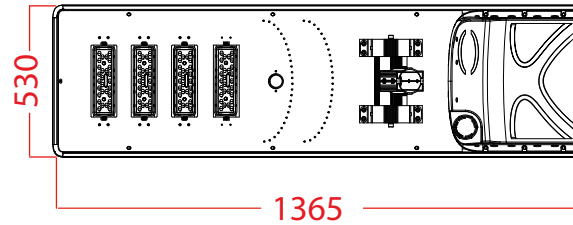


# Item No

# Dimension

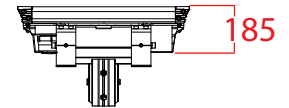
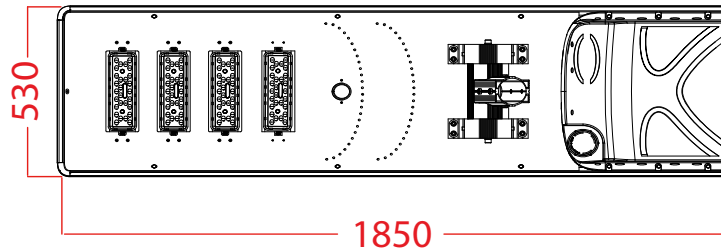
SP-110  
65W

1365\*530\*185mm



SP-160  
80W

1850\*530\*130mm



SP-165  
100W

1850\*530\*130mm

