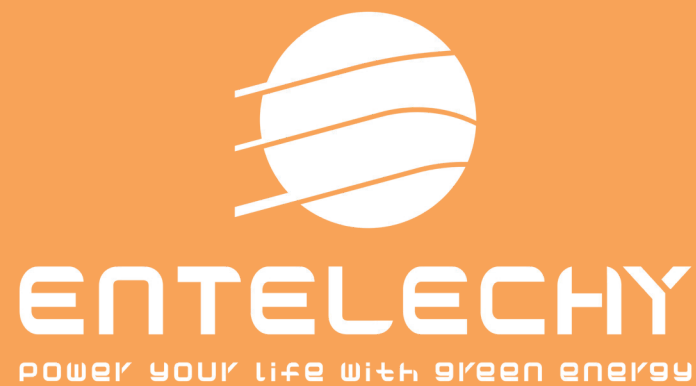




 <https://entelechyenergy.com>



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2026

SOLAR LED LIGHT

More than 15 years of solar lights
production experience

Guangzhou Best Electronic Technology Co.,Ltd.





Company Profile

Entelechy is a leading manufacturer of solar light in China. We have over 15 years experience in OEM/ODM manufacturing. We provide solar street light, solar flood light, solar garden light. And we have rich experience in government lighting project. Our products are exported to many countries, and we have won market recognition with our professional service and stable quality.



Plant Area:
7500 m²



Production Capacity:
50000 sets / month



R&D team with more than 15 years experience



Patent Certificate

IPMS Certificate



ISO14001



ISO9001



CE



RoHS

firm:





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AIO Solar Street Light S02



Advantages:

Smart Controller

- Setting the lamp in timer dimming mode or sensor mode.
- IP65 rating.

LED Chips

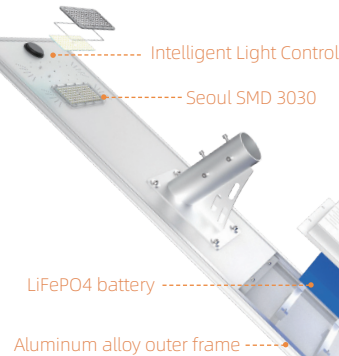
- Seoul SMD3030. Lifespan>100,000 hours.
- 84 chips per module. Light efficiency: 200-220lm/w.
- 6063 aluminum with excellent corrosion protective performance.

Lithium Battery

- Class A LiFePO4 battery.
- Life cycles can reach up to 6000 times. Lifespan >10 years.
- 3 years warranty.

Solar Panel

- Class A monocrystalline.
- Efficiency>21%.
- Lifespan 25 years.



Hoop type



Straight Rod Double Arm

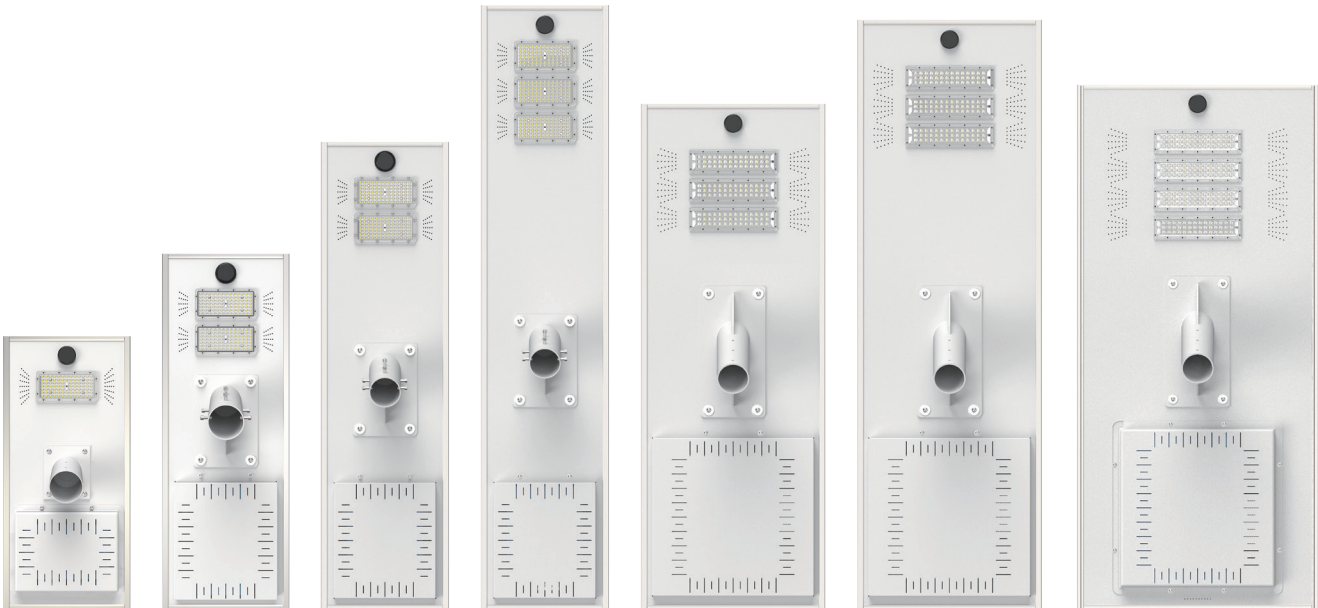


Curved Rod



Bent Rod Double Arm

Installation Method



Specification:

Model	BAT-AIO-4530P-S02	BAT-AIO-4530P-S02	BAT-AIO-8060P-S02	BAT-AIO-10080P-S02	BAT-AIO-120100P-S02	BAT-AIO-150120P-S02	BAT-AIO-180150P-S02
Lamp pole height	3~4m	5~7m	6~8m	8~10m	8~10m	10~12m	10~12m
Pole distance	9~12m	15~21m	18~24m	24~30m	24~30m	30~36m	30~36m
Solar panel	45W/18V	60W/18V	80W/16V	100W/18V	120W/36V	150W/36V	180W/36V
LiFePO4 battery	12.8V/18AH	12.8V/24AH	12.8V/30AH	12.8V/36AH	25.6V/24AH	25.6V/30AH	25.6V/36AH
Beam angle	140*70deg						
CCT	2700-6000K						
CRI	Ra>70						
Light efficiency	200-220lm/w						
Housing color	Silvery gray						
Housing material	Aluminum+PC lens						
Backup time	3~5 Nights						
LED lifespan	>100,000 Hours						
Lamp size(mm)	768*360*30	1000*360*30	1310*360*30	1690*360*30	1356*515*30	1640*515*30	1468*675*30

AIO Solar Street Light S03



Advantages:

Smart Controller

- Setting the lamp in timer dimming mode.
- IP65 rating.

LED Chips

- SMD3030. Lifespan>100,000 hours.
- 42 chips per module. Light efficiency: 200-220lm/w.
- Multi-protection against overcharge, overdischarge, short circuit, etc.

Lithium Battery

- Class A LiFePO4 battery
- Life cycles can reach up to 6000 times. Lifespan >10 years.
- 3 years warranty.

Solar Panel

- Class A monocrystalline.
- Efficiency>21%.
- Lifespan 25 years.



Working Mode:

- Time control:The lighting time at night can be set as 4 periods.
- The brightness can be set as whatever you want.

Lifespan	>10 years
Warranty	3 years
Backup time	2~3 nights
Customization	yes
Battery	LiFePO4



Specification:

Model	BST-AIO-4030P-S03	BST-AIO-5140P-S03	BST-AIO-6060P-S03	BST-AIO-8080P-S03	BST-AIO-100100P-S03	BST-AIO-110120P-S03
LED chip	168pcs		252pcs	336pcs	420pcs	504pcs
LED module	4pcs		6pcs	8pcs	10pcs	12pcs
Controller	Smart					
Operating temperature	-20℃ ~+60℃					
Light efficiency	200~220lm/W					
Optic	TypeII					
CRI	Ra>70					
CCT	3000K/4000K/5000K/6500K					
Beam angle	140°70deg					
LED lifetime	>100,000 Hours					
LiFePO4 battery	153.6Wh	192Wh	268.8Wh	307.2Wh	384Wh	537.6Wh
Monocrystalline solar panel	40W	51W	60W	80W	100W	110W
Housing material	Aluminum+PC lens					
IP rating	IP65					
Lamp size(mm)	740*368*75	860*368*75	1028*368*75	1340*368*75	1710*368*75	1765*368*75

AIO Solar Street Light S04/S04 PRO



Advantages:

Smart Controller

- Setting the lamp in timer dimming mode.
- IP65 rating.

LED Chips

- SMD3030. Lifespan>100,000 hours.
- 42 chips per module. Light efficiency: 200-220lm/w.
- Multi-protection against overcharge, overdischarge, short circuit, etc.

Lithium Battery

- Class A LiFePO4 battery
- Life cycles can reach up to 6000 times. Lifespan >10 years.
- 3 years warranty.

Solar Panel

- Class A monocrystalline.
- Efficiency>21%.
- Lifespan 25 years.
- Support horizontal installation and vertical installation



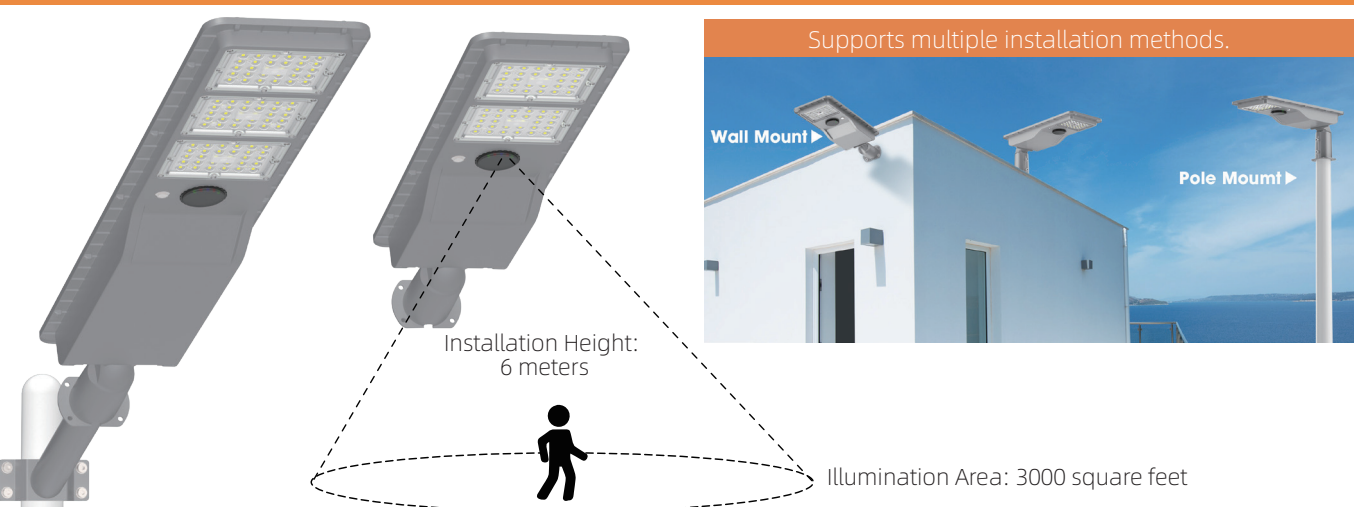
Model style:



Specification:

Model	BST-AIO-2520P-S04	BST-AIO-3530P-S04	BST-AIO-4540P-S04 /S04 PRO	BST-AIO-6060P-S04 /S04 PRO	BST-AIO-7080P-S04 /S04 PRO	BST-AIO-100100P-S04 /S04 PRO	BST-AIO-120120P-S04 /S04 PRO	BST-AIO-150150P-S04 /S04 PRO	BST-AIO-180180P-S04
Controller	Smart								
Operating temperature	-20℃ ~+60℃								
Light efficiency	200-220LM/W								
LiFePO4 battery	70WH	120WH	150Wh /153.6Wh	200Wh /230.4Wh	230Wh /307.2Wh	300Wh /384Wh	370Wh /460.8Wh	460Wh /614.4Wh	640Wh
Solar panel	25W	35W	45W	60W	70W	100W	120W	150W	180W
CRI	Ra > 70								
CCT	3000-6500K								
LED lifetime	> 100,000 Hours								
Charge time	4-6 Hours								
Light time	20-24 Hours/3-5 Nights								
Lamp N.W	3.6kg	5.1kg	6.4kg	7.3kg	8.2kg	9.3kg	10.5kg	11.4kg	15kg
Lamp Size (mm)	631*244*50	900*244*50	1171*244*50	1371*244*50	900*416*50	1171*416*50	1371*416*50	1633*416*50	1980*416*50
Package(mm)	710*325*120	980*325*120	1250*325*120	1450*325*120	980*500*120	1250*500*120	1450*500*120	1713*500*120	2050*500*120

AIO Solar Street Light L08



Features:

- Easy to disassemble and maintain.
- Class A+ solar panel with more than 25 years lifespan.
- Using SMD5040 LED chip, 200-220lm/W.
- LiFePO4 lithium battery, ≥6000 deep cycles, with more than 10 years lifespan.
- Class A monocrystalline.Efficiency>21%,Lifespan 25 years.
- Light control +Move sensor +Time control



Photo			
Model	BST-AIO-6000W-L08	BST-AIO-7000W-L08	BST-AIO-8000W-L08
LED power	6000W	7000W	8000W
Battery	3.2V/14000mAh	3.2V/20000mAh	3.2V/28000mAh
LED chips	SMD5040 28PCS	SMD5040 56PCS	SMD5040 84PCS
Color temp	6000K		
Solar panel	6V/15W	6V/20W	6V/30W
Lighting model	Light control +Move sensor +Time control		
Material	aluminum die-casting		
IP rating	IP 65		
Lamp size(mm)	573*200*90mm	773*200*90mm	1055*200*90mm

AIT Solar Street Light L03



Features:

- LiFePO4 lithium battery, ≥6000 deep cycles, with more than 10 years lifespan.
- Class A+ solar panel with more than 25 years lifespan.
- Using SMD3030 LED chip, 200-220lm/W.
- Easy to disassemble and maintain.
- Remaining battery power display function.
- With remote control function.
- 3 years warranty



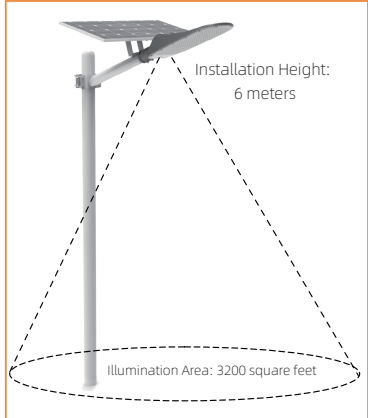
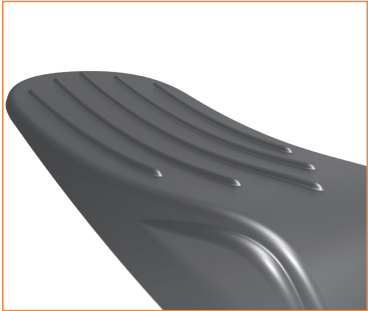
Model	BST-AIT-300W-L03	BST-AIT-400W-L03	BST-AIT-600W-L03
LED power	300W	400W	600W
Controller	Smart		
Operating temperature	-20°C~+60°C		
Light efficiency	200-220LM/W		
LiFePO4 battery	90Wh	140Wh	230Wh
Solar panel	30W	45W	70W
CRI	Ra > 70		
CCT	3000-6500K		
LED lifetime	> 100000 Hours		
Charge time	4-6 Hours		
Light time	20-24 Hours		
Lamp size(mm)	470*239*206.5		

AIT Solar Street Light L04



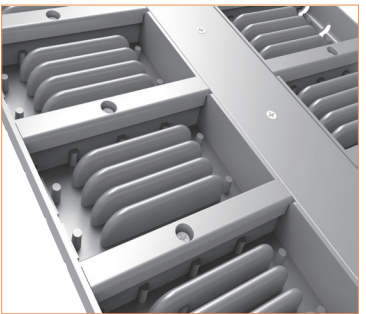
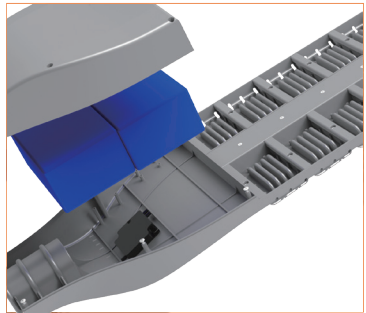
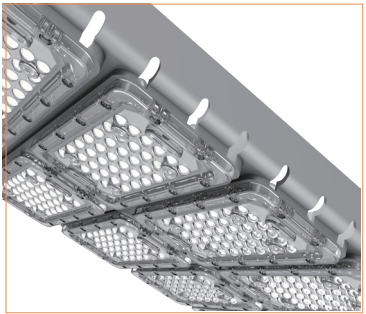
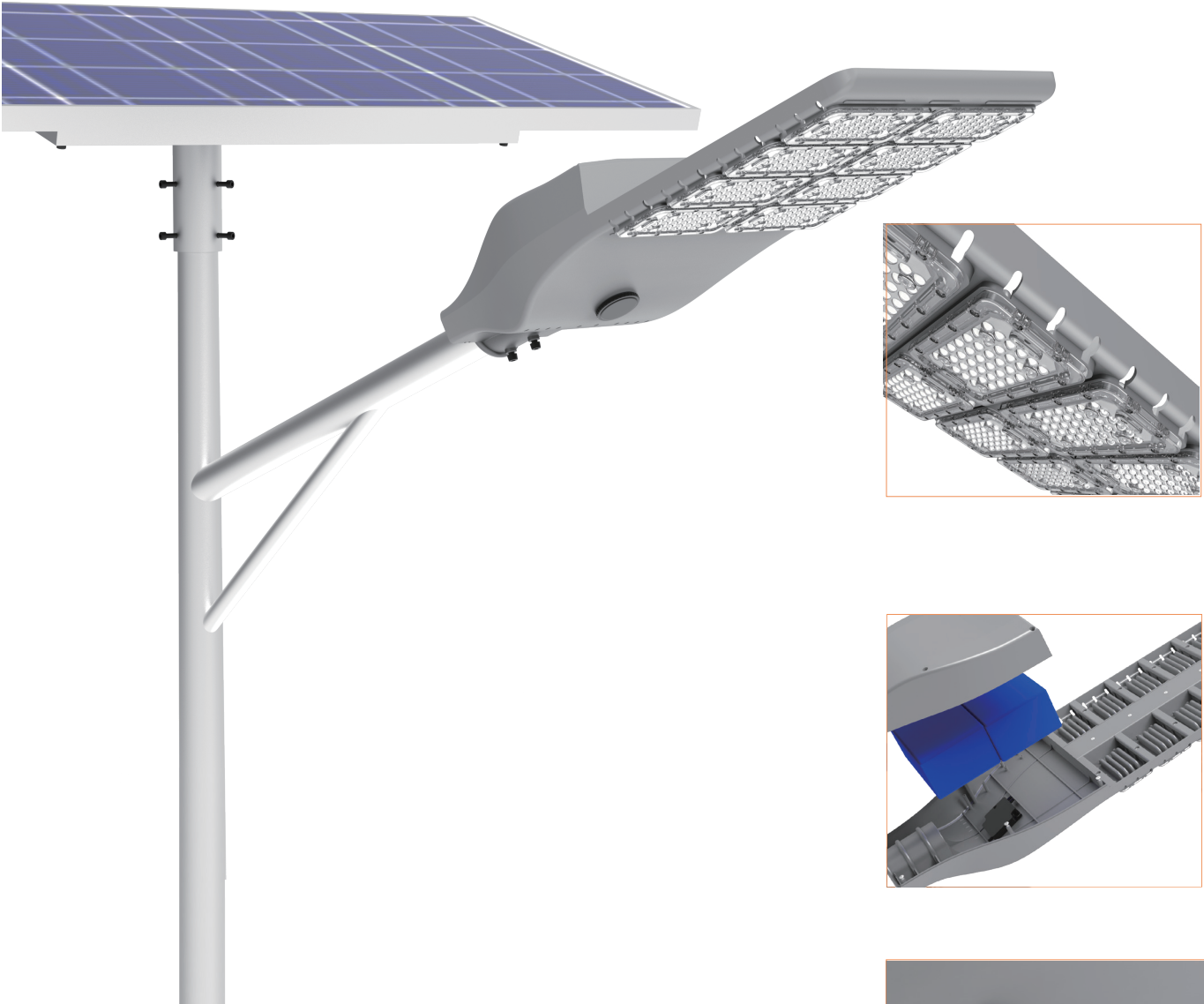
Features:

- LiFePO4 lithium battery, ≥ 6000 deep cycles, with more than 10 years lifespan.
- Class A+ monocrystalline solar panel with more than 25 years lifespan.
- Using SMD3030 LED chip, 200-220lm/W.
- Easy to disassemble and maintain.
- Remaining battery power display function.
- With remote control function.
- 3 years warranty.

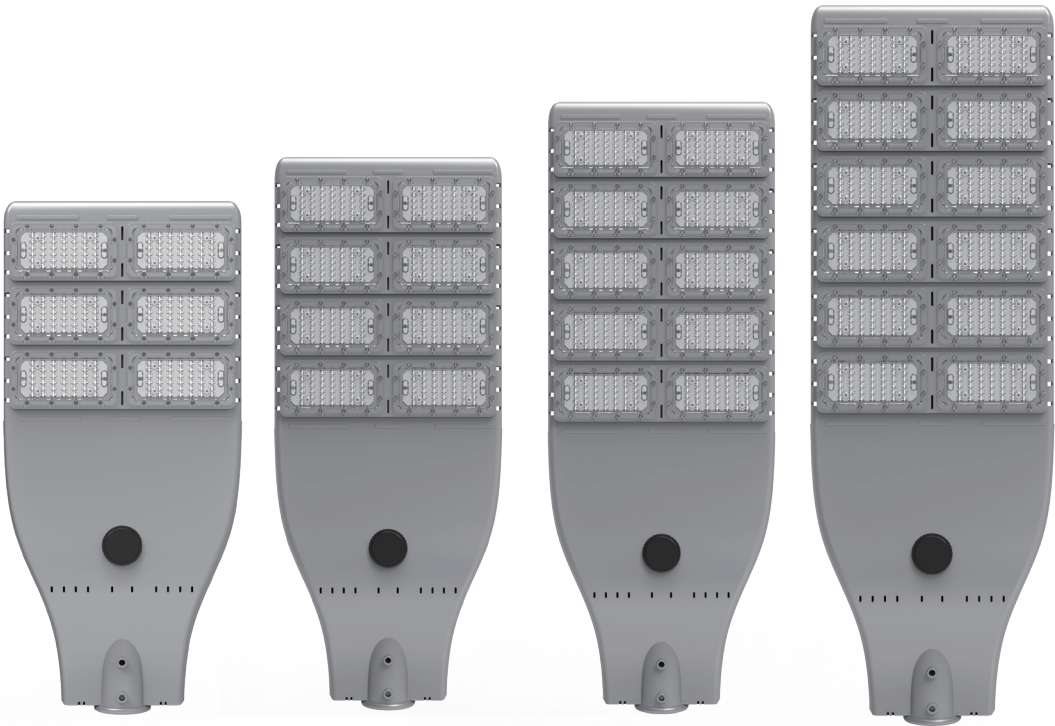


Model	BST-AIT-100W-L04	BST-AIT-200W-L04	BST-AIT-300W-L04	BST-AIT-400W-L04
LED power	100W	200W	300W	400W
Controller	Smart			
Operating temperature	-20°C~+60°C			
Light efficiency	200-220LM/W			
LiFePO4 battery	38.4Wh	57.6Wh	76.8Wh	96Wh
Solar panel	15W	22W	32W	40W
Lighting model	Move sensor			
CRI	Ra > 70			
CCT	3000-6500K			
LED lifetime	> 100,000 Hours			
Charge time	4-6 Hours			
Light time	20-24 Hours			
Lamp size(mm)	517*180*77mm	517*180*77mm	630*220*94mm	630*220*94mm

AIT Solar Street Light S03



- Features:**
- LiFePO4 lithium battery, ≥ 6000 deep cycles, with more than 10 years lifespan.
 - A+ solar panel with more than 25 years lifespan.
 - Using SMD3030 LED chip, 200-220lm/W.
 - Easy to disassemble and maintain.
 - Control Pattern: Light Control/Time Control.



Model	BST-AIT-6030P-S03	BST-AIT-12060P-S03	BST-AIT-180100P-S03	BST-AIT-220120P-S03	BST-AIT-240150P-S03
LED power	30W	60W	100W	120W	150W
Controller	Smart				
Operating temperature	-20°C~+60°C				
Light efficiency	200-220LM/W				
LiFePO4 battery	280Wh	500Wh	750Wh	950Wh	1100Wh
Solar panel	60W	120W	180W	110W*2	120W*2
CRI	Ra > 70				
CCT	3000-6500K				
LED lifetime	> 100000 Hours				
Charge time	4-6 Hours				
Light time	3-5 nights				
Lamp N.W	7.3kg	9kg	11.5kg	13.5kg	15kg
Dimension(mm)	739.5*347*150	739.5*347*150	831.5*347*150	923.5*347*150	1015.5*347*150
Package(mm)	820*425*200	820*425*200	920*425*200	1005*425*200	1100*425*200

Solar Flood Light F05



F05 Features:

- LiFePO4 lithium battery of 6000times cycles life.
- High-brightness SMD3030 chips adopted, Light efficiency improved by 20% compared with traditional SMD5730 and SMD2835 chips; LED lifespan up to 100,000 hours.
- Detachable housing design, convenient for battery replacement and maintenance.
- Power indicator function makes charging/discharging status clear at a glance. The indicator flashes when in charging status, and battery capacity can be displayed when in discharging.
- IP66 waterproof, no more water ingress.
- 3 years warranty for the whole lamp.

The Same Detail F05

F05 Lens

Optic PC lens improves transmittance by 15-20%.

Rotation Bracket

Adjustable mounting angel.

LiFePO4 Battery

6000 deep cycles. LiFePO4 battery. Long service life.

Higher Light Efficiency

High-brightness SMD3030 chips adopted, Light efficiency improved.

Solar Flood Light F05 parameter:



50W 100W 200W 300W 400W

Model	BST-SFL-50W-F05	BST-SFL-100W-F05	BST-SFL-200W-F05	BST-SFL-300W-F05	BST-SFL-400W-F05
LED power	50W	100W	200W	300W	400W
LED chips	SMD3030				
LED QTY	96/100 Pcs	200 Pcs	400/392 Pcs	600/608 Pcs	800/828 Pcs
Light efficiency	650LM Max	1600LM Max	2600LM Max	3200LM Max	3800LM Max
Solar panel	mono 6V12W	mono 6V22W	mono 6V32W	mono 6V40W	mono 6V50W
LifePO4 battery	3.2V 6000mAH	3.2V 18000mAH	3.2V 24000mAH	3.2V 36000mAH	3.2V 42000mAH
Control pattern	Light Control/Time Control/Remote				
Beam lighting angle	120 Degree				
Color temperature	3000-6500k				
Chargering time	4-6 Hours(If sunshine)				
Lighting time	18-24 Hours				
LED life span	100000 Hours				
Working temperature	-10℃ ~65℃				
IP rating	IP66				
Housing color	Grey				
Materials	Aluminum Die-Casting+PC lens				
Solar panel size	350*235*17mm	400*350*17mm	530*350*17mm	700*350*25mm	700*400*25mm
Lamp size	180*160*55.5mm	220*195*60.5mm	276*245*60.5mm	332*295*65.5mm	388*345*65.5mm



Features:

- A+ solar panel with more than 25 years lifespan.
- Super bright white LEDs, good consistency light color, high color render index,and low light decay
- IP Rating: IP65.



Model	BST-CPD-001	BST-CPD-002	BST-CPD-003	BST-CPD-004	BST-CPD-007	BST-CPD-008
Solar panel power	5V 4.5W	5V 5W	5V 4.5W	5V/4W	6V 3.3W*3	5V 3.7W
Solar panel type	Monocrystalline			polycrystalline	Monocrystalline	
LED chips	20pcs SMD2835	30pcs SMD2835	30pcs SMD2835	35pcs SMD2835	18pcs SMD2835	58pcs SMD2835
Color temperature	3000~6500K					
Battery	3.2V 6400mAH LiFePO4			3.7V 4000mAH	3.7V 4000mAH	
Charge time	5-7 Hours	4-6 Hours	5-7 Hours	4-6Hours		
Working mode	Automatically on at night, off at day			light control	light control+PIR sensor	light control
Unit size(mm)	Φ230* H300/600/800	200*200* H400/600/800	Ø257*H800	220*200* H600/800/1000	140*140*650	Φ230* H600/800/1000
Material	Aluminium housing					



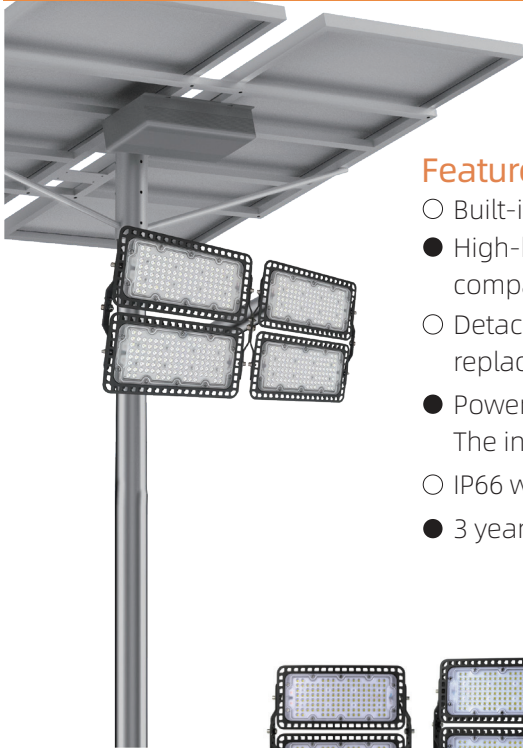
Features:

- LiFePO4 lithium battery, 6000 deep cycles with service life more than 10 years.
- Solar panel's long lifespan, better performance, high efficiency.
- Super bright white LEDs, good consistency light color, high color render index, and low light decay.
- High quality PC lens, high light transmission rate, light color even soft without light spot.
- IP Rating: IP65.



Model	BST-GGD-001	BST-GGD-002	BST-GGD-003	BST-GGD-004	BST-GGD-005	BST-GGD-006	BST-GGD-007
Solar panel power	5V 20W				5V 32W	5V 30W	6V 25W
Solar panel type	Monocrystalline						Polycrystalline
LED chips	80pcs SMD2835				160pcs SMD2835	120pcs SMD3030	450pcs SMD5730
Color temperature	3000~6500K						
Battery	3.2V 20000mAH LiFePO4				3.2V 45000 mAH LiFePO4	3.2V 36000 mAHLiFePO4	3.2V 25000 mAH LiFePO4
Charge time	3-5 Hours				6-7 Hours	4-6 Hours	
Working mode	Automatically on at night, off at day						
Unit size (mm)	Φ480*H440	400*400*H410	400*400*H420	Ø480*H410	560*560*230	Φ536*H200	Φ610*95
Material	Aluminium housing						ABS

Solar Stadium Light



- Features:**
- Built-in LiFePO4 battery of 6000 times cycles life.
 - High-brightness SMD3030 chips adopted, Light efficiency improved by 20% compared with traditional lamp
 - Detachable housing design, convenient for battery replacement and maintenance.
 - Power indicator function makes charging/discharging status clear at a glance. The indicator flashes when turn on
 - IP66 waterproof, no more water ingress.
 - 3 years warranty for the whole lamp.



Model	BST-SCL-200W	BST-SCL-400W	BST-SCL-600W	BST-SCL-800W
LED power	200W	400W	600W	800W
Controller	Smart			
Operating temperature	-20°C~+60°C			
Light efficiency	200-220LM/W			
LiFePO4 battery	384Wh	768Wh	1228.8Wh	1536Wh
Solar panel	80W	150W	120W*2	150W*2
CRI	Ra>70			
CCT	3000-6500K			
LED life time	>100000 Hours			
Charge time	4-6 Hours			
Light time	3-5 Nights			
Lamp N.W	3.5kg	6.9kg	10kg	13.9kg
Dimension	360*360*70mm	690*335*70mm	690*495*70mm	690*680*70mm
Package	370*370*100mm	700*345*100mm	700*505*100mm	700*690*100mm

AC LED Street Light



Model	BST-STL-100W-A	BST-STL-150W-A	BST-STL-200W-A
Power	100W	150W	200W
Luminous flux	11000lm	16500lm	22000lm
CRI	Ra>70		
LED Chip	SMD3030		
Waterproof	IP65		
Lamp size (mm)	520*300*100	610*300*100	690*300*100



Model	BST-STL-50W-B	BST-STL-100W-B	BST-STL-150W-B	BST-STL-200W-B	BST-STL-250W-B
Power	50W	100W	150W	200W	250W
Luminous flux	6500lm	13000lm	19500lm	26000lm	32500lm
CRI	Ra>70				
LED Chip	SMD3030				
Waterproof	IP65				
Lamp size (mm)	623*255*150	666*295*150	736*315*150	747*355*150	846*355*150

Light Pole

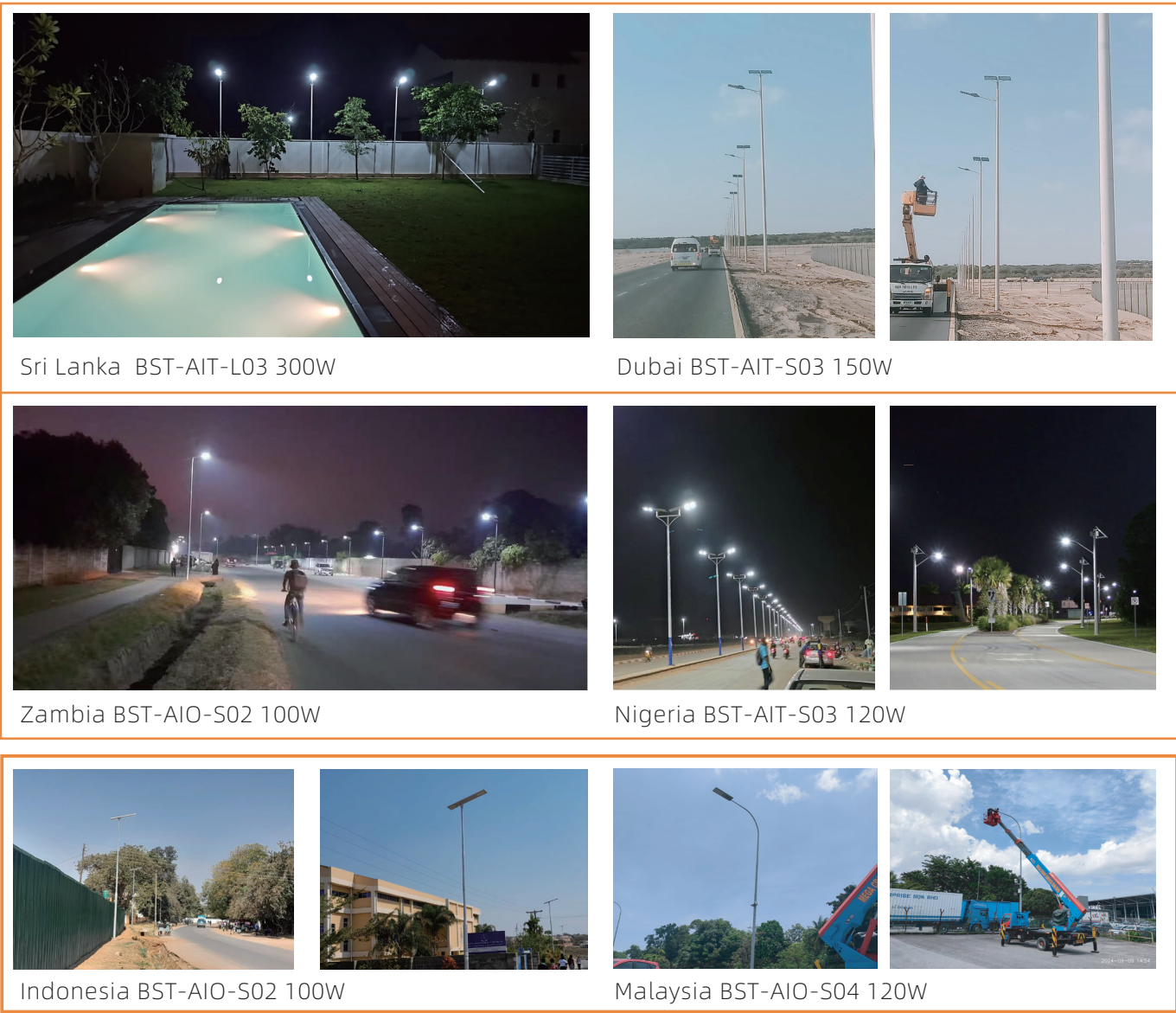


- Features:**
- Q235 material.
 - Formed by plasma cutting, bending, and automatic welding of high-quality low-carbon hot-rolled steel sheets. The welding seam can meet GB/T3323-1987 level 3 standard, and penetration depth more than 85%.
 - Double-sided hot-dip galvanized anti-corrosion treatment and zinc layer thickness over 85um. The pole can meet ZBJ3601-89 standard. Anti-corrosion's life can up to 30 years and rust proof for 15 years.
 - Surface sprayed with plastic. Customized color available.



	Pole height	Top diameter	Bottom diameter	Flange	Anchor
4M Pole	4M	60mm	105mm	T8*220	M14*160*H400
6M Pole	6M	60mm	120mm	T10*250	M16*180*H500
8M Pole	8M	60mm	160mm	T12*280	M18*220*H700
9M Pole	9M	70mm	170mm	T16*300	M18*240*H700
10M Pole	10M	80mm	180mm	T18*350	M20*240*H800
12M Pole	12M	80mm	220mm	T20*400	M22*340*H1000

Solar Street Light Project:



Solar Light Project:

