

AIT solar street light spec

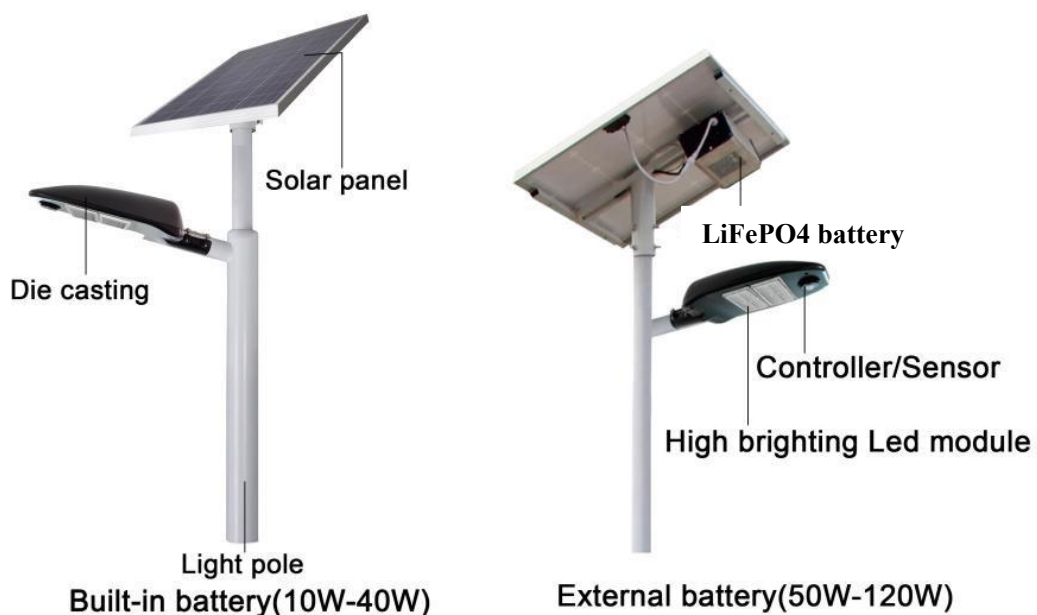
01

Product Description

(BST-AIT-XXW-S01)



1. All two solar street light is an extended application of all in one solar street lights.
2. While retaining the convenience, the split structure can arbitrarily adjust the direction of the solar panel and the lamp head according to the solar radiation intensity and the direction of the illumination.
3. All in two solar street light provides a flexible solution for the demanding illumination requirements of complex roads.
4. Solar street light is easy to install and don't need to cover its battery.



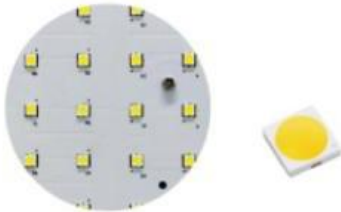
03 Product parameters

Model		BST-AIT-3510P	BST-AIT-7520P	BST-AIT-10030P	BST-AIT-12040P	BST-AIT-15050P	BST-AIT-18060P	BST-AIT-20080P	BST-AIT-240100P	BST-AIT-280120P
		-S01	-S01	-S01	-S01	-S01	-S01	-S01	-S01	-S01
LED lamp	Lumen (lm)	1600-1800lm	3200-3600lm	4800-5400lm	6400-7200lm	8000-9000lm	9600-10800lm	12800-14400l	16000-18000lm	19200-21600lm
	Lifespan	>100000 hours (korea Seoul SMD3030 chips , 160-180lm/w)								
	Beam angle	140*70Rectangular shape Typell: Professional optical LENS for road lighting								
	Colar temp	2700-6500K (warm white, pure white, cool white)								
	Size	L535.2*W238.16*H130.5mm								
Solar panel	Power	35W/16v	75W/18V	100W/18V	120W/18V	150W/36V	90W/18V*2	100W/18V*2	120W/18V*2	140W/18V*2
	Size	635*350*25 mm	997*510*30 mm	1000*670*30 mm	1010*800*30 mm	1470*670*30 mm	870*670*30 mm	1000*670*35 mm	1140*350*35 mm	1320*350*35 mm
	Type & lifespan	Polysilicon silicon (Taiwan chip) Lifespan : 25 years								
LiFeP O4 battery	Capacity	12.8V/12AH	12.8V/24AH	12.8V/30AH	12.8V/42AH	25.6V/24AH	25.6V/30AH	25.6V/36AH	25.6V/42AH	25.6V/48AH
	Lifespan	>10 years								
Contr oller	With sensor	Lighting mode at night can be set by controller (Time control and sensor for option)								
Charging time		6 hours								
Lighting time		3-5 nights								
Working temperature		-10°C ~ +60°C								
Pole height		3-5m	4-6m				6-8m	10-12m		
Pole distance		9-15m	12-18m				12-24m	24-30m	30-36m	
Material		Aluminium+PC LENS								
Certificate		CE, ROHS, ISO9001, ISO14001 certification								
Option		Hybrid solar +AC supply/Internet of things lighting								



The Solar Panels

- Using high-gloss tempered glass.translucency of normal dysl.Increased by 2%.
- The use of A-class solar cells, conversion efficiency>17.5%.
- The use of aluminum frame structure is strong,anti-aging, can withstand high wind pressure, hail and snow.
- Fire test, high salt spray, acid resistance test.
- Manufactured to IEC61215.
- Life>25 years.
- Temperature range-40 to+85°C.



LED chips

- Seoul SMD3030 ,
- lifespan>50000 hours
- 84 LED chips in 1 module
- 160-180lm/w high LED chip efficiency
- Multi-layer heat dissipation design to
- ensure lifespan of LED chips



Lithium battery

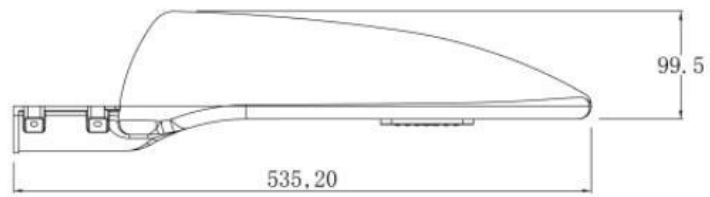
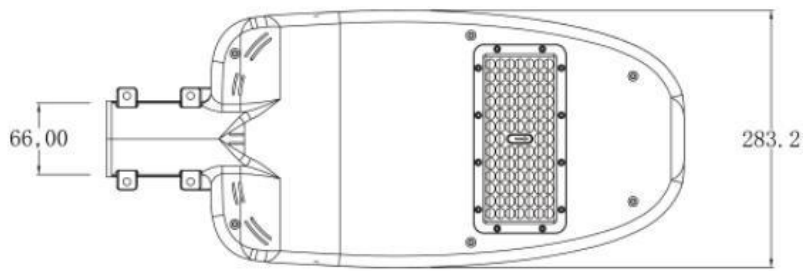
- Cycle life: more than 800 times fully
- charged and discharged
- 3 years warranty
- Working temperature: -10~+60



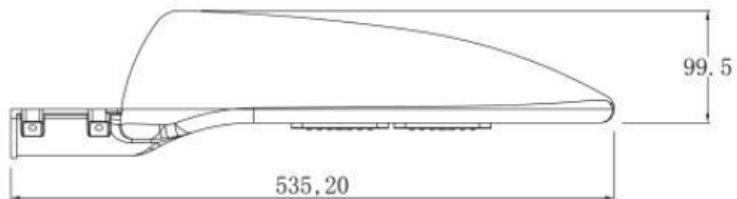
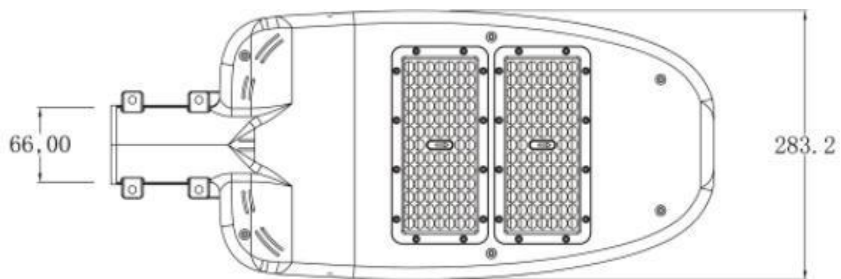
Controller

- (Top controller brand in China)
- MPPT /PWM controller can improve the energy utilization of 15% to 20%
 - Metal case, IP68 waterproof rating, built-in LED driver.
 - Intelligent power down to extend the battery working time.
 - 3 time dimming and morning lighting design, working hours 0 to 15 hours can be set,0%-100% power adjustable.

04 Dimension(Unit:mm)



10-20W (1 module)



30-120W (2 modules)

05 Detailed images

