



ENTELECHY

AIO Solar Street Light

Ver:S02



Professional LED Solar Lighting Manufacturer

MODEL: BST- AIO- 4530P- S02

BST- AIO- 6040P- S02

BST- AIO- 8060P- S02

BST- AIO- 10080P- S02

BST- AIO- 120100P- S02

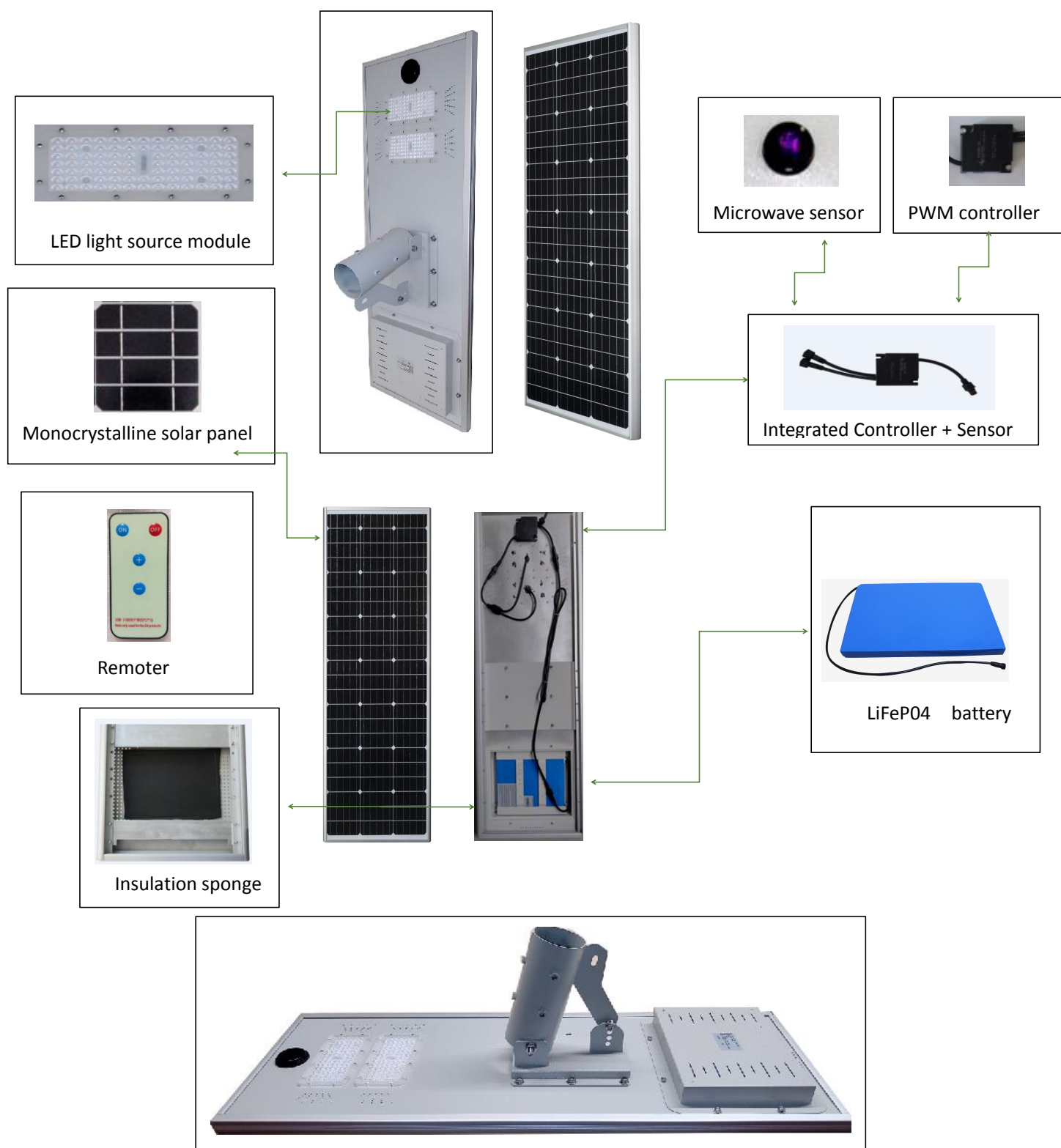
BST- AIO- 150120P- S02

BST- AIO- 180150P- S02

LiFeP04 Battery

Guangzhou Best Electronic Technology Co.,Ltd

01 Product picture



02 Structure Design

- Integrate the solar panel, led body, battery and controller into whole system.
- Easy to transport, install and maintain.



03 Advantages



or



LED chips

- Seoul SMD3030 , lifespan>100000 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



LiFePO4 battery

- Cycle life: 2000 times fully charging and discharging
- Lifespan > 10years; 3 years warranty
- Working temperature: -20° ~+60°



Controller

- Smart controller with microwave induction and power saving
- IP68 waterproof
- 5 yeas warranty



Solar panel

- Monocrystalline silicon (Taiwan chip)
- Conversion efficiency>21%
- Lifespan: 25 years

04 LED Quantity

3030 SMD chips-Street light specification chart-high light efficiency (160-180lm/W)

Specification	LED Quantity	LED Type	Beam Angle
Modules simples	84*1	3030	140*70 Rectangular shape Type II: Professional optical LENS for road lighting
Double module	84*2	3030	
Double module	84*2	3030	
Trois modules	84*3	3030	
Trois modules	84*3	3030	
Trois modules	84*3	3030	
Four modules	84*4	3030	



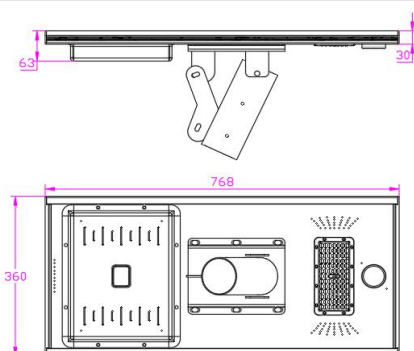
05 Product parameters

Part NO	BST-AIO-4530P-S02	BST-AIO-6040P-S02	BST-AIO-8060P-S02	BST-AIO-10080p-S02	BST-AIO-120100P-S02	BST-AIO-150120P-S02	BST-AIO-180150P-S02
Luminous Flux	4800-5400	6400-7200	9600-10800	12800-14400	16000-18000	19200-21600	24000-27000
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	30m~36m	30m~36m
Light distribution	140*70						
CCT	2700-6000K						
CRI	Ra>70						
Light efficiency	160-180lm/W						
LED chip	Korea Seoul LED chips						
Solar Module	45W/18V	60W/18V	80W/16V	100W/18V	120W/36V	150W/36V	180W/36V
Solar panel life	25 years						
LiFeP04 battery	12.8V/18AH	12.8V/24AH	12.8V/30AH	12.8V/36AH	25.6V/24AH	25.6V/30AH	25.6V/36AH
Housing color	Silvery gray						
IP rating	IP65						
Housing material	Excellent Aluminum +PC lens						
Ambient temperature at night	-20°C ~ +60°C						
Backup time	3 nights						
LED Life span	50000 hours						
Warranty	3 years						

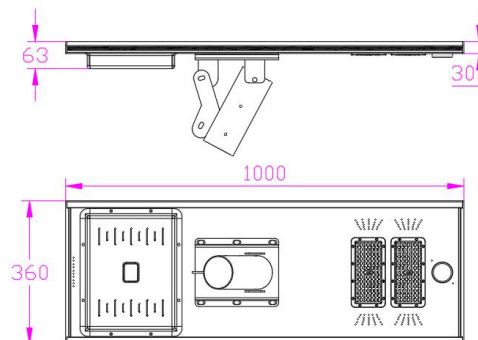
06 Working mode

Energy saving mode	
Motion sensor & Time control	
Sensor	People come , 100% brightness ; people gone , 10%~80% brightness can be set. 20% brightness  100% brightness 
Time control	The lighting time at night can be set as 5 periods. The brightness can be set as whatever you want.
Advice of working mode for different location	
Street	We recommend to set 4 time periods : In the 1st period, 4 hours ,100% brightness; In the 2nd period, 2 hours , 70% brightness; In the 3rd period, 4 hours , 30% brightness; In the 4th period, 2hours , 50% brightness;
National Road	
Provincial Road	
County Road	
Village Road	
School	
Courtyard	
Garden	
Sidewalk	

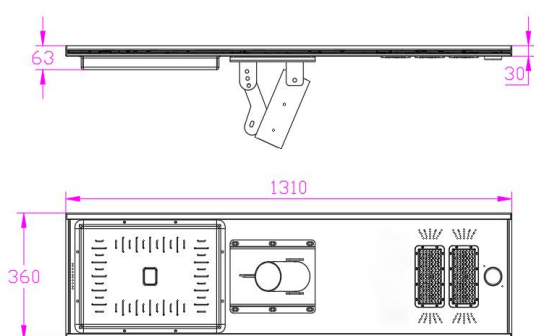
07 Dimension(Unit: mm)



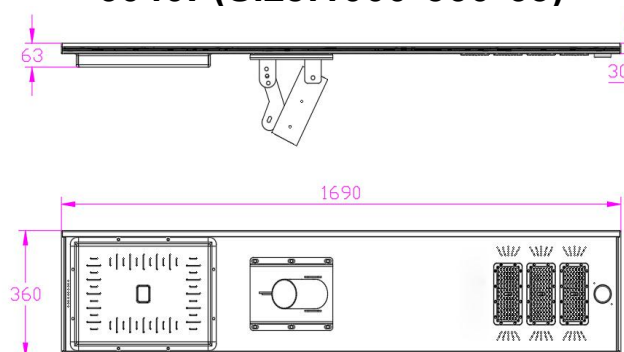
4530P(Size:768*360*63)



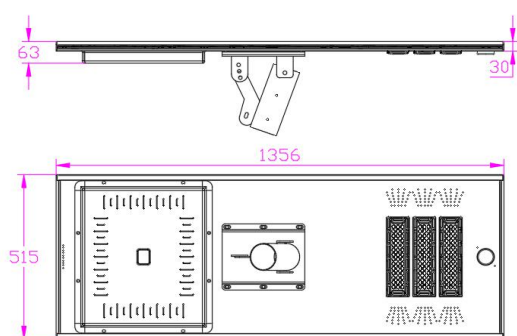
6040P(Size:1000*360*63)



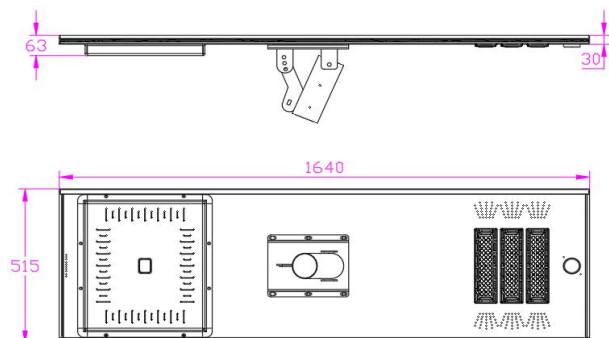
8060P(Size:1310*360*63)



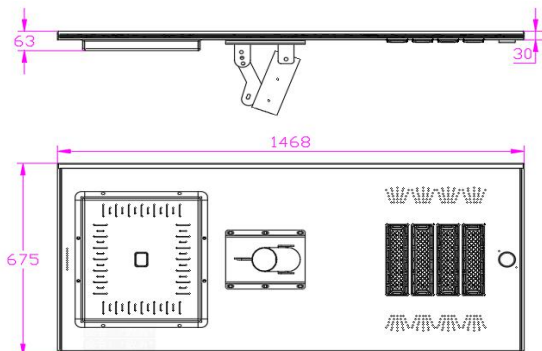
10080P(Size:1690*360*63)



120100P(Size:1356*515*63)



150120P(Size:1640*515*63)



180150P(Size:1468*675*63)

08 Installation ways



1 Light module
Standard lamp holder



2 Light module
Standard lamp holder



3 Light module
Standard lamp holder



4 Light module
Standard lamp holder

09 Package

Anti-shock packaging material, with bubble bags and foam, ensure transport safety

Lamp packing:

Part NO	PCS/CTN	NW (kg)	GW (kg)	Packing L*W*H (mm)
BST-AIO- 4530P-S02	1	9.3	11.5	868*440*125
BST-AIO- 6040P-S02	1	11.75	13.72	1100*440*125
BST-AIO- 8060P-S02	1	14.9	17.2	1410*440*125
BST-AIO- 10080P-S02	1	17.65	19.1	1790*440*125
BST-AIO- 120100P-S02	1	20.9	22.6	1456*595*125
BST-AIO- 150120P-S02	1	23.55	26.5	1740*595*125
BST-AIO- 180150P-S02	1	28	29.8	1568*690*125

Accessory packing (Sleeve):

Sleeve Sleeve fittings Part NO	PCS/CTN	NW (kg) /PC	GW (kg) /CTN	Packing L*W*H (mm)
Sleeve ID Ø84, OD Ø89	10	10.5	12.6	526*236*226 / 10sets*1carton
Sleeve ID Ø74, OD Ø79	10	9.8	12	488*236*226 / 10sets*1carton
Sleeve ID Ø64, OD Ø89	10	9.3	11.4	441*236*226 / 10sets*1carton
Sleeve adapter Ø97 TO Ø80	10	18	20.5	542*542*420 / 10sets*1carton