



ENTELECHY



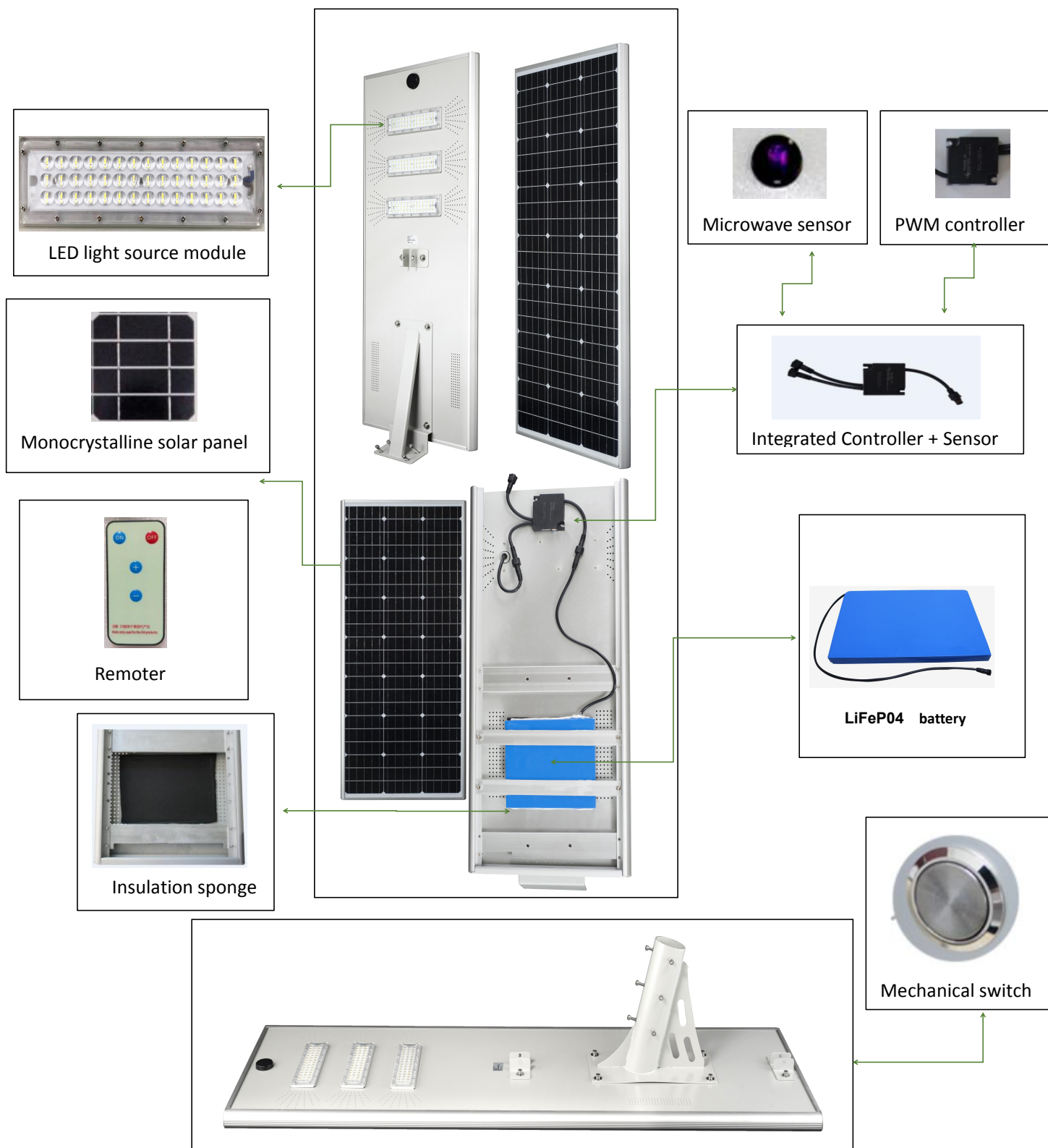
Guangzhou Best Electronic Technology Co., Ltd.
Professional LED Solar Lighting Manufacturer

ALL IN ONE Solar Light

Come from nature, Light up the future

LiFeP04 battery

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



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



LiFeP04 battery

- Cycle life: 2000 times fully charging and discharging
- Lifespan > 10 years; 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
Single modules	84*1	3030	140*70 Rectangular shape Type II: Professional optical LENS for road lighting
Single modules	84*1	3030	
Single modules	84*1	3030	
Dual module	84*2	3030	
Dual module	84*2	3030	
Three module	84*3	3030	
Three module	84*3	3030	
Three module	84*3	3030	



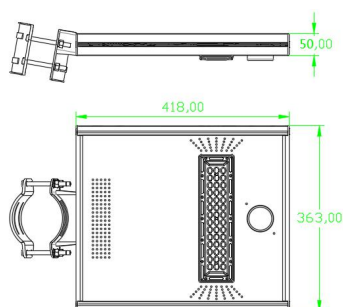
05 Product parameters

Part NO	BST-AIO-1715P-S01	BST-AIO-2320P-S01	BST-AIO-4530P-S01	BST-AIO-6040P-S01	BST-AIO-8360P-S01	BST-AIO-11080P-S01	BST-AIO-120100P-S01	BST-AIO-150120P-S01
Luminous Flux	2400-2700	3200-3600	4800-5400	6400-7200	9600-10800	12800-14400	16000-18000	19200-21600
Lamp pole height	3~4m		5~7m		6~8m	8~10m	8~10m	10~12m
Pole distance	9~12m		15~21m		18~24m	24~30m	24~30m	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	17W/18V	23W/16V	45W/18V	60W/18V	83W/16.5V	110W/33V	120W/36V	150W/36V
Solar panel life	25 years							
LiFeP04 battery	12.8V6AH	12.8V12AH	12.8V18AH	12.8V24AH	12.8V30AH	25.6V18.9AH	25.6V24AH	25.6V30AH
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							

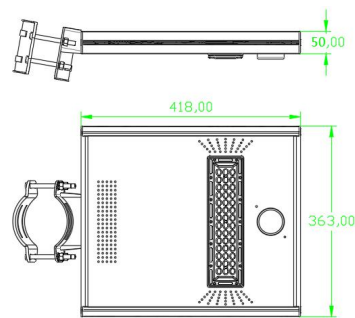
06 Working mode

Energy saving mode	Motion sensor & Time control
Sensor	People come , 100% brightness ; people gone , 10%~80% brightness can be set.  
	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	

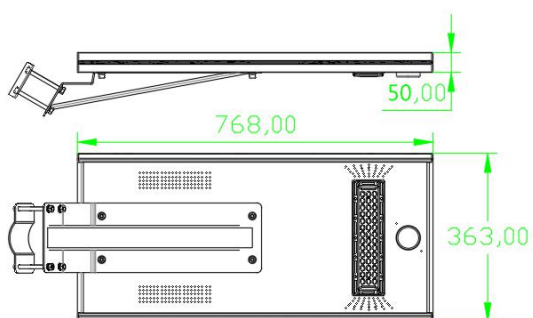
07 Dimension(Unit: mm)



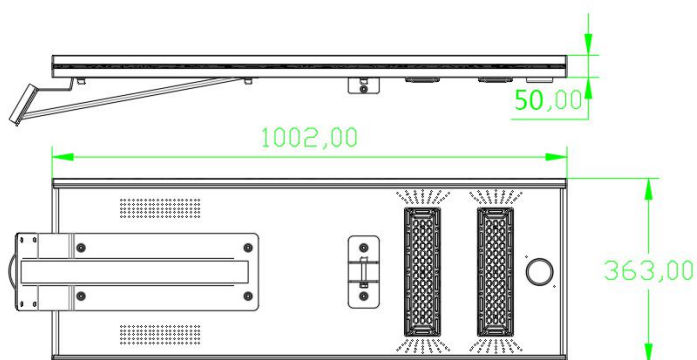
1715P



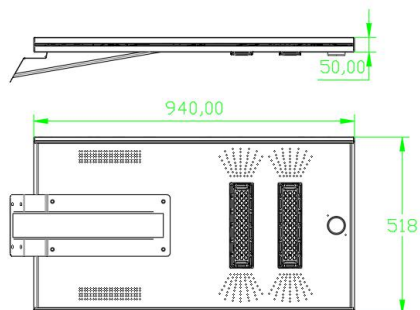
2320P



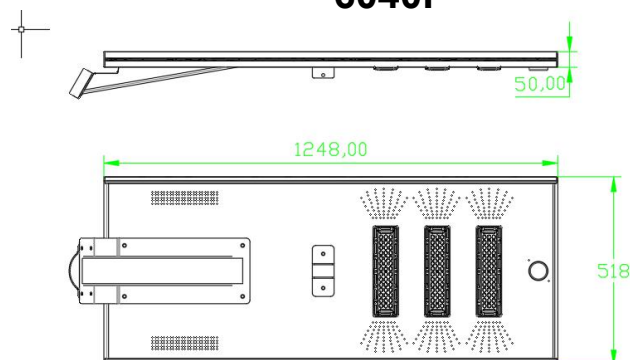
4530P



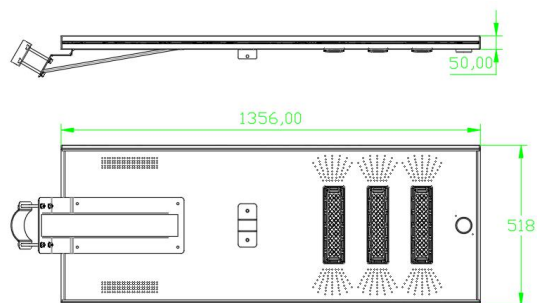
6040P



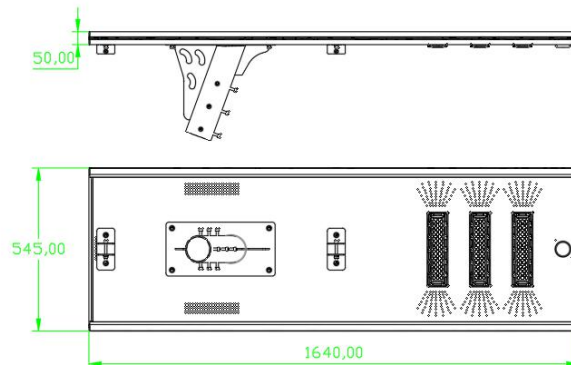
8360P



11080P



120100P



150120P

08 Installation ways



1 light module
Standard lamp holder



2 light module
Standard lamp holder



3 light module
Standard lamp holder



3 light module
Slanted sleeve lamp holder
with 2 Tilting support rod

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-1715P-S01	1	3.5	5.1	473*415*96
BST-AIO-2320P-S01	1	5	8.15	473*415*96
BST-AIO-4530P-S01	1	8.5	10.2	823*415*96
BST-AIO-6040P-S01	1	11.1	13.2	1057*415*96
BST-AIO-8360P-S01	1	13.1	15.2	995*570*96
BST-AIO-11080P-S01	1	15.6	18.25	1303*570*96
BST-AIO-120100P-S01	1	17.2	20.3	1411*570*96
BST-AIO-150120P-S01	1	23.2	26.8	1695*597*96

Accessory packing:

Support rod	PCS/CTN	NW (kg) /PC	GW (kg) /CTN	Packing L*W*H (mm)
Support rod fittings				
Part NO				
BST-AIO-1715P-S01	2	2	5	415*195*170
BST-AIO-2320P-S01	2	2	5	415*195*170
BST-AIO-4530P-S01	4	2.25	10	520*255*185
BST-AIO-6040P-S01	4	2.25	10	520*255*185
BST-AIO-8360P-S01	4	2.25	10	520*255*185
BST-AIO-11080P-S01	4	2.25	10	520*255*185
BST-AIO-120100P-S01	4	2.25	10	520*255*185
BST-AIO-150120P-S01	2	2.25	10	520*255*185

Support rod	920*220*100mm	10sets*1carton	11080P/120100P/150120P	15kg
Support rod fittings	465*335*285mm	10sets*1carton	11080P/120100P150120P	18kg
Sleeve	440*400*225mm	2sets*1carton	150120P	12.4kg

10 Project Case

Project Services 服务项目



This project is located in Philippine. 150 sets of 60W all in one led solar light with Seoul LED (equiped with 110W MONO PV panel) were amounted 6m pole, 20M distance, single row.



Project in Cebu, Philippine; Village Road; Quantity 50pcs
30W solar street light with 5m pole

Coca-Cola Project



The project is in cooperation with the Coca-Cola Company, which is located in Kampala, Uganda. 75 sets of 80W integrated led solar street light ;25.6V 23.1AH Lifepo4 battery with 5 years warranty

Project Services 服务项目



60pcs 60W solar street light were installed in Nigeria ; 24.2Ah lithim battery with 90W MONO PV panel in 6m pole.