

## Integrated Solar Street Light

### Mercury series



- Integrated All-in-one Solar LED Street Light
- 100% Solar Energy Powered

### Application

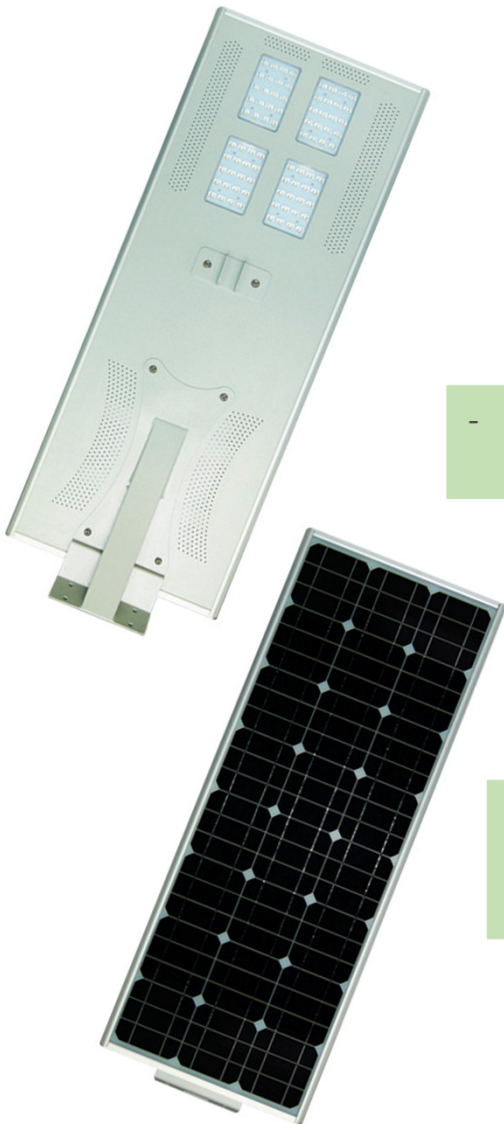
Mercury series solar street light is designed to provide a simple LED lighting for outdoor spaces without AC wiring. With built-on solar panel, build-in lithium battery and solar charge controller, the energy will be charged in the day time and discharged in night time. It is applied for outdoor lighting of residential area, park, square, footway, non main road, etc.



Installed on the wall

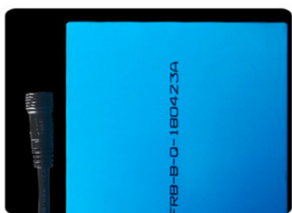


Installed on the pole



- High lumen efficiency Bridgelux 3030 LED Chips with high quality PC Lens

- High efficiency Mono Solar Panel efficiency = 19%, lifetime = 25 years
- Charge the built-in LiFePO4 Battery in day time



- Built-in LiFePO4 (Lithium Iron Battery)

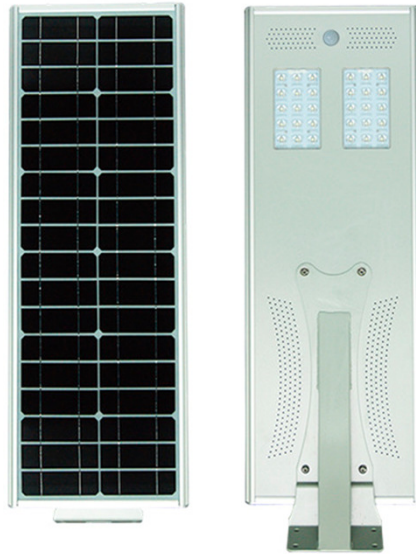


- Built-in Solar Charge Controller



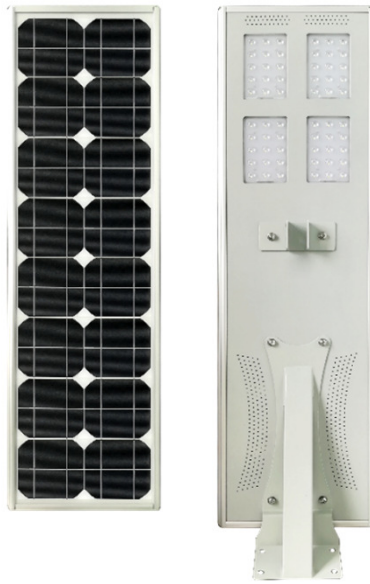
- PIR Motion Sensor  
100% brightness when people in the area  
50% brightness when people out of the area

## Mercury 40



Model	Mercury 40
Body Material	Aluminum
Light Source	3030 SMD LED
Power	40 W
Solar Panel	50W Monocrystalline Solar Panel
Battery	12.8V 24Ah LiFePO4 (Lithium Iron) Battery
Control System	Lighting Control + PIR Control
Working Method	Automatically turn on after sunset and turn off after sunrise; The lamp works on 30% power normally and switches to 100% full power when someone close.
Discharge Time	10 - 12 hours
Lumen Output	5000 lm
Lumen Efficiency	120 - 130 lm/W
CCT Options	3000K - 6500K
CRI	80
Beam Angle	150° in horizontal direction, 75° in vertical direction
Product Size	930 x 320 x 135 mm
Installation Height	5 - 6 m
Installation Distance	20 - 25 m between two Mercury 40
Protection	IP65

## Mercury 60



Model	Mercury 60
Body Material	Aluminum
Light Source	3030 SMD LED
Power	60 W
Solar Panel	70W Monocrystalline Solar Panel
Battery	12.8V 36Ah LiFePO4 (Lithium Iron) Battery
Control System	Lighting Control + Time Control
Working Method	Automatically turn on after sunset and turn off after sunrise; 4 hours on full power, 2 hours 50% power, 6 hours 25% power
Discharge Time	10 - 12 hours
Lumen Output	7500 lm
Lumen Efficiency	120 - 130 lm/W
CCT Options	3000K - 6500K
CRI	80
Beam Angle	150° in horizontal direction, 75° in vertical direction
Product Size	1150 x 325 x 135 mm
Installation Height	7 - 8 m
Installation Distance	25 - 28 m between two Mercury 60
Protection	IP65

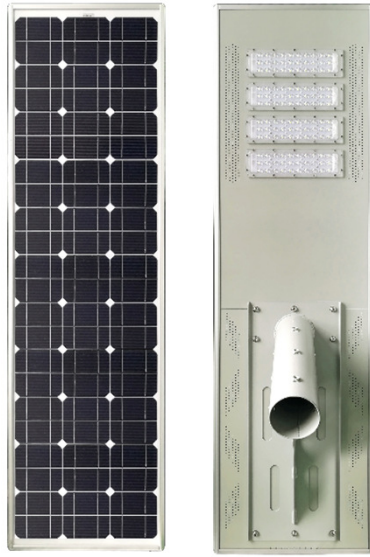


## Mercury 80



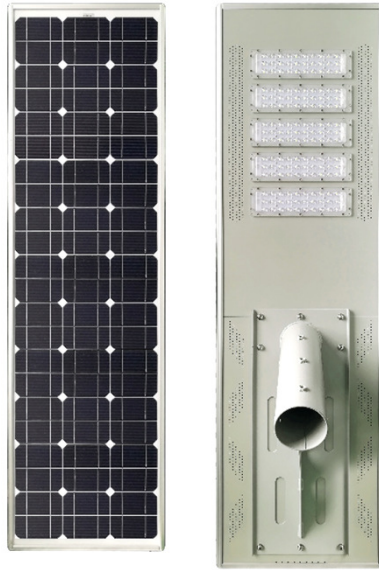
Model	Mercury 80
Body Material	Aluminum
Light Source	3030 SMD LED
Power	80 W
Solar Panel	100W Monocrystalline Solar Panel
Battery	12.8V 42Ah LiFePO4 (Lithium Iron) Battery
Control System	Lighting Control + Time Control
Working Method	Automatically turn on after sunset and turn off after sunrise; 4 hours on full power, 2 hours 50% power, 6 hours 25% power
Discharge Time	10 - 12 hours
Lumen Output	10000 lm
Lumen Efficiency	120 - 130 lm/W
CCT Options	3000K - 6500K
CRI	80
Beam Angle	150° in horizontal direction, 75° in vertical direction
Product Size	1150 x 450 x 135 mm
Installation Height	8 - 10 m
Installation Distance	28 - 30 m between two Mercury 80
Protection	IP65

## Mercury 100



Model	Mercury 100
Body Material	Aluminum
Light Source	3030 SMD LED
Power	100 W
Solar Panel	130W Monocrystalline Solar Panel
Battery	12.8V 48Ah LiFePO4 (Lithium Iron) Battery
Control System	Lighting Control + Time Control
Working Method	Automatically turn on after sunset and turn off after sunrise; 4 hours on full power, 2 hours 50% power, 6 hours 25% power
Discharge Time	10 - 12 hours
Lumen Output	14500 lm
Lumen Efficiency	140 - 150 lm/W
CCT Options	3000K - 6500K
CRI	80
Beam Angle	150° in horizontal direction, 75° in vertical direction
Product Size	1469 x 420 x 395 mm
Installation Height	8 - 10 m
Installation Distance	30 - 32 m between two Mercury 100
Protection	IP65

## Mercury 120



Model	Mercury 120
Body Material	Aluminum
Light Source	3030 SMD LED
Power	120 W
Solar Panel	130W Monocrystalline Solar Panel
Battery	12.8V 66Ah LiFePO4 (Lithium Iron) Battery
Control System	Lighting Control + Time Control
Working Method	Automatically turn on after sunset and turn off after sunrise; 4 hours on full power, 2 hours 50% power, 6 hours 25% power
Discharge Time	10 - 12 hours
Lumen Output	17500 lm
Lumen Efficiency	140 - 150 lm/W
CCT Options	3000K - 6500K
CRI	80
Beam Angle	150° in horizontal direction, 75° in vertical direction
Product Size	1469 x 420 x 395 mm
Installation Height	10 - 12 m
Installation Distance	32 - 35 m between two Mercury 120
Protection	IP65

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