

## Features



## [Specification]

### 10W-80W All In One Solar Steet Light

[All In One Solar Street Light is green and energy saving product. It transfers Solar radiation into electricity and reserves it into the lithium battery in daytime. LED lighting is powered by the reserved electricity in night. It is widely used in street, square, housing estate and scenic spot, where on grid project is difficult to work.]

# MARS Integrated Solar Street Lights 10W-80W

## Specifications

Module	( I ) TYPE	( II ) TYPE	( III ) TYPE	( IV ) TYPE
LED source	60pcs Lumileds smd3030	120pcs Lumileds smd3030	180pcs Lumileds smd3030	240pcs Lumileds smd3030
LED rated power	10W-20W	30W-40W	50W-60W	70W-80W
Luminous flux(lm)	>3200lm	>4800lm	>6400lm	>9000lm
Color tempature	3000K ~ 6500K	3000K ~ 6500K	3000K ~ 6500K	3000K ~ 6500K
Regular Solar panel	36W 18V	48W 18V	70W 18V	110W 18V
LifePO4 battery	12.8V (2000 cycles)	12.8V (2000 cycles)	12.8V (2000 cycles)	12V (2000 cycles)
Adjustable Angle of Module(±15°)	0-180	0-180	0-180	0-180
Contrtol Mode	Light control+Time control	Light control+Time control	Light control+Time control	Light control+Time control
Working time under full power	4	4	4	4
Working time under smart power control	8	8	8	8
On-off threshold level	5	5	5	5
Material for secondary lighting distribution	PC	PC	PC	PC
Beam Angle	92	92	92	92
Working under rainy days	2	2	2	2
Net Weight	10kg	12kg	18kg	25kg
Gross Weight	10.5kg	12.5kg	19kg	26kg
Product Dimension	36.8/66	36.8/79	43/100	50.3/119
Wind resistance level(km/h)	12	12	12	12
Installation Height(m)	4-6	6-8	8-10	10-13
Installation Distance(m)	30	30	30	30
Irradiation Area(m²):	80	100	120	120
Charging time	6 hours			
Discharging time	>20 hours			
Battery autonomy	2~3 days			
Working temp.	-15°C ~ +70°C			
Housing	Aluminium die casting			
CRI(Ra)	70			
Discharging Temperature	~20-60			
Charging Temperature	~20-60			
Storage Temperature	0~45			
IP	IP65			
Working mode	6 hours 100% + 6 hours 50%+motion sensor. Can be programed by remote control.			
Certificates	CE ROHS IP67 IK08 LM79 LM82 TM21 FCC CB IECEE			

## Product Structure



## Lighting Distribution Curve:

