

This upgraded and evolved based on the solid electronic circuit of traditional integrated street lamps and split street lamps. The solar panels are bidirectionally adjustable, the whole lamp has no switch design, the mobile phone APP Bluetooth control, and the installation is convenient.



This series of products are mainly used in highways, national highways, provincial highways, urban trunk roads, industrial parks, open parking lots, outdoor sports fields and large central squares.



## Parts



### Solar Panel

Using high-efficiency mono-crystalline silicon solar cells, The photoelectric conversion efficiency is more than 18%.



### LED

A class 3535 LED chips. Luminous efficiency reach 180LM/W, that higher 50% than traditional conventional LED chips 120LM/W.



### Lithium battery

Powerful lithium battery, charge and discharge times more than 1500 cycles, Have long service life and high-security.



### LED lens

The latest upgraded optical polarized light integrated lens Batwing shape light distribution, high transmittance, safe and durable.



### Controller

Independently developed intelligent MPPT controller, High charging efficiency, with various safety protection functions.



### Lamp body

Die-cast aluminum integrated molding, streamlined construction. Classic and unique design, simple and elegant appearance, quality assurance.

## Parameters

### Electrical Characteristic

	50W	60W	70W	80W
Rated Power	50W	60W	70W	80W
Solar Panel Power	18V/90W	18V/90W	18V/110W	18V/110W
Battery Capacity	12V/38AH	12V/48AH	12V/58AH	12V/72AH
Charge Time	6-8 H	6-8 H	6-8H	6-8H
Discharge Time	> 36 H	> 36 H	> 36 H	> 36H
Operating Temperature	-25°C ~ +65°C	-25°C ~ +65°C	-25°C ~ +65°C	-25°C ~ +65°C
Switch Threshold	15LUX	15LUX	15LUX	15LUX
Max Sensing Distance	≤12M	≤12M	≤12M	≤12M

### LED Parameters

	60 Units(3535)	60 Units(3535)	84 Units(3535)	84 Units(3535)
LED Beads	60 Units(3535)	60 Units(3535)	84 Units(3535)	84 Units(3535)
Lumen Flux	6500-7500LM	7500-8500LM	8500-9500LM	9500-10500LM
Luminous Efficiency	130-150LM/W	130-150LM/W	130-150LM/W	130-150LM/W
Light Distribution	Batwing Type	Batwing Type	Batwing Type	Batwing Type
Color Temperature	2800-6500K	2800-6500K	2800-6500K	2800-6500K

### Mechanical Specification

	740x340x335MM	740x340x335MM	740x340x335MM	740x340x335MM
Light Body Size	740x340x335MM	740x340x335MM	740x340x335MM	740x340x335MM
Solar Panel Dimension	855x670x30MM	855x670x30MM	1035x670x30MM	1035x670x30MM
Net Weight	23.2KG	23.7KG	25.4KG	26.2KG
Installation Height	6-8M	7-9M	8-10M	9-11M
Pole Install Distance	20-25M	25-30M	30-35M	35-40M

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This series of products are mainly used in provincial highways, national highways, township roads, urban trunk roads, park and communities, outdoor parking lots, various squares, tourist attractions and so on.



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## Parameters

### Electrical Characteristic

Rated Power	30W	40W	50W	60W
Solar Panel Power	18V 60W	18V/60W	18V/80W	18V/80W
Battery Capacity	12V/24AH	12V/29AH	12V/34AH	12V/38AH
Charge Time	6-8H	6-8H	6-8H	6-8H
Discharge Time	> 36H	> 36H	> 36H	> 36H
Operating Temperature	-25°C ~ +65°C	-25°C ~ +65°C	-25°C ~ +65°C	-25°C ~ +65°C
Switch Threshold	15LUX	15LUX	15LUX	15LUX
Max Sensing Distance	≤12M	≤12M	≤12M	≤12M

### LED Parameters

LED Beads	42 Units(3535)	42 Units(3535)	60 Units(3535)	60 Units(3535)
Lumen Flux	4000-5000LM	5000-6500LM	6500-7500LM	7500-8500LM
Luminous Efficiency	130-150LM/W	130-150LM/W	130-150LM/W	130-150LM/W
Light Distribution	Batwing Type	Batwing Type	Batwing Type	Batwing Type
Color Temperature	2800-6500K	800-6500K	2800-6500K	2800-6500K

### Mechanical Specification

Light Body Size	640x260x250MM	640x260x250MM	640x260x250MM	640x260x250MM
Solar Panel Dimension	780x513x30MM	780x513x30MM	755x670x30MM	755x670x30MM
Net Weight	15KG	15.3KG	17.1KG	17.4KG
Installation Height	4-6M	5-7M	6-8M	7-9M
Pole Install Distance	10-15M	15-20M	20-25M	25-30M

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### Electrical Characteristic

	20W	30W	40W	50W
Rated Power	20W	30W	40W	50W
Solar Panel Power	18V/35W	18V/50W	18V/50W	18V/60W
Battery Capacity	12V/14AH	12V/19AH	12V/22AH	12V/29AH
Charge Time	6-8 H	6-8 H	6-8 H	6-8 H
Discharge Time	> 36 H	> 36 H	> 36 H	> 36 H
Operating Temperature	-25°C ~ +65°C	-25°C ~ +65°C	-25°C ~ +65°C	-25°C ~ +65°C
Switch Threshold	15LUX	15LUX	15LUX	15LUX
Max Sensing Distance	≤12M	≤12M	≤12M	≤12M

### LED Parameters

	30 Units(3030)	30 Units(3030)	30 Units(3030)	30 Units(3030)
LED Beads	30 Units(3030)	30 Units(3030)	30 Units(3030)	30 Units(3030)
Lumen Flux	2500-3500LM	3000-4000LM	3500-4500LM	3700-4700LM
Luminous Efficiency	130-140LM/W	130-140LM/W	130-150LM/W	130-150LM/W
Light Distribution	Batwing Type	Batwing Type	Batwing Type	Batwing Type
Color Temperature	2800-6500K	2800-6500K	2800-6500K	2800-6500K

### Mechanical Specification

	600x240x230MM	600x240x230MM	600x240x230MM	600x240x230MM
Light Body Size	600x240x230MM	600x240x230MM	600x240x230MM	600x240x230MM
Solar Panel Dimension	460x513x30MM	625x513x30MM	625x513x30MM	780x513x30MM
Net Weight	13.3KG	14.7KG	14.9KG	15.9KG
Installation Height	3-5M	4-6M	5-7M	6-8M
Pole Install Distance	10-15M	15-20M	20-25M	25-30M