

It runs with
the Sun

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Solar LED Street Light

-A global leading brand of LED lighting
-Honeycomb design is steep popular in the World

Product Description

Solar Led Street Light is used in lighting of express way, urban arterial road. Recommended installation 30W lamps for height 4-7m. We used Intelligent Solar Charge Controller and Driver and Bridgelux chips.

Why choose POWERCOM KAICH

1. We are the manufacturer. We make sure quality over the manufacturing process. We try save the cost from the productive process.
2. World cheapest cost and lucrative design

Honeycomb design advantage

The patent housing--KAICH light housing used the honeycomb up-down through-hole structure, which is favorable for the flow of the hot and cold air and more favorable for the heat conduction and diffusion from the housing, to keep the cooling of the chips. So we can make sure the long lifetime.



Technical Specifications of LED Street Light

Optical Parameters	
Brand	POWERCOM KAICH
Model: KC-F1	KC-F1
Power Consumption	30W
Lighting Effect	110-120 lm/W
Luminous Flux	3300-3600lm
Working Lifetime	>50000 hours with light failure less 15%
Color Temperature	Above 6000K ,Natural white
30W temperature rise	7C
Power factor	>0.95
IP rating	IP65
Led chip brand	Bridgelux
Material	Die casting aluminum with powder painting
Angle of light diffusion	160 x 80°
Working temperature	-40C -50C
Certification	CE ISO
CRI	Ra>75
Color	Black/White/grey/dark grey/blue
Product Size (cm)	48.4*26*8
Product net weight	2.2 Kg

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Electrical Parameters	
System Voltage	12V/24V
Output Voltage	15~55V/30~55V
Output Power	3~60 W
Max. LED driver efficiency	95%
Max. Charging Current	10 A
Output Current	0.15~2.0A
Min. load Current	30Ma (Dimming)
Current Precession	±2%
Dimming	0~100% (Programmable)
Dimming Percentage	1~20% (Programmable)
Voltage of start dimming	11.8~12.5V /23.6~25.0V
Fast Voltage	<14.5V/29.0V (25C)
Boost Voltage	14.5V/29.0V (25C)
Equal Voltage	14.8V/29.6V (Liquid, 25C)
Float Voltage	13.7V/27.4 (25C)
Low Voltage disconnect	10.8~11.8V/21.6~23.6V;Soc1~5
Low Voltage reconnect	11.4~12.8V /22.8~25.6V
Over Charge Protect	15.5 V/31.0 V
Max. panel Voltage	55 V
Max. Battery Voltage	40 V
Day/Night threshold	3.0~8.0V /6.0~16.0V
Day/Night delay time	0~30 Min (Programmable)
Battery type	Gel, Liquid
Temp. Compensation	-4.17mV/K per cell (Boost, Equalization), -3.33mV/K per cell (Float)
Working time during night	5 Stages (Programmable)
Dimensions	85 x 72 x 22.6 mm
Weight	255 g
Wire Size	2.5mm ²
Self Consumption	10mA
Ambient temperature	-35C ~ +60C
Degree of protection	IP 67
Max. Altitude	4000 m

Salient Features

Innovative Design, Patent Protected, High- Efficiency, Energy-Saving, Environment -Friendly

LED Street Light Application

Solar power street light, Road lighting of village, township roads, residential areas, parks and factory.

Power Control & Management

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