

Solar LED Street Light - K Series

30W/40W/50W/60W/80W/100W/120W



IP66

IK09

BIFACIAL

K series put high efficiency mono solar panel,intelligent MPPT charge controller, deep cycle long life LifePO4 battery, high lumen led bridgelux 3030 led chip all in one box, easy to install and transportation.



Application

1. Street Lighting, Road Lighting, Roadway Lighting
2. Outdoor Area Lighting, High Mast Lighting
3. Park, schools, square, Parking lots



Technical Specification



Model	HE-K-30W	Beam Angle	70x140
Power	30W	Cloudy/Rainy days	5 -7Cloudy/Rainy days
Lumen	180lm/w	Product Size	575*280*100mm
LiFeO4(Energy)	230.4WH	IP/IK	IP66/IK09
Solar Panel	40W Mono	Motion sensor	Optional
LED	96PCS Bridgelux	Remote Control	Yes
Pole diameter	60~65mm	Material	High Class Aluminum
Post Height(Space)	4~6m(10~20m)	CCT	6000K(Customized)
Charging Time	5~6 hours	Warranty	3 Years



Model	HE-K-40W	Beam Angle	70x140
Power	40W	Cloudy/Rainy days	5 -7Cloudy/Rainy days
Lumen	180lm/w	Product Size	575*280*100mm
LiFeO4(Energy)	307.2WH	IP/IK	IP66/IK09
Solar Panel	50W Mono	Motion sensor	Optional
LED	96PCS Bridgelux	Remote Control	Yes
Pole diameter	60~65mm	Material	High Class Aluminum
Post Height(Space)	5~7m(15~25m)	CCT	6000K(Customized)
Charging Time	5~6 hours	Warranty	3 Years

Technical Specification



Model	HE-K-50W	Beam Angle	70x140
Power	50W	Cloudy/Rainy days	5 -7Cloudy/Rainy days
Lumen	180lm/w	Product Size	665*280*100mm
LiFeO4(Energy)	384WH	IP/IK	IP66/IK09
Solar Panel	65W Mono	Motion sensor	Optional
LED	144PCS Bridgelux	Remote Control	Yes
Pole diameter	60~65mm	Material	High Class Aluminum
Post Height(Space)	6~8m(20~30m)	CCT	6000K(Customized)
Charging Time	5~6 hours	Warranty	3 Years



Model	HE-K-60W	Beam Angle	70x140
Power	60W	Cloudy/Rainy days	5 -7Cloudy/Rainy days
Lumen	180lm/w	Product Size	665*280*100mm
LiFeO4(Energy)	460.8WH	IP/IK	IP66/IK09
Solar Panel	80W Mono	Motion sensor	Optional
LED	192PCS Bridgelux	Remote Control	Yes
Pole diameter	60~65mm	Material	High Class Aluminum
Post Height(Space)	7~9m(20~30m)	CCT	6000K(Customized)
Charging Time	5~6 hours	Warranty	3 Years



Model	HE-K-80W	Beam Angle	70x140
Power	80W	Cloudy/Rainy days	5 -7Cloudy/Rainy days
Lumen	180lm/w	Product Size	755*280*100mm
LiFeO4(Energy)	537.6WH	IP/IK	IP66/IK09
Solar Panel	100WMono	Motion sensor	Optional
LED	144PCS Bridgelux	Remote Control	Yes
Pole diameter	60~65mm	Material	High Class Aluminum
Post Height(Space)	8~10m(25~35m)	CCT	6000K(Customized)
Charging Time	5~6 hours	Warranty	3 Years

Technical Specification



Model	HE-K-100W	Beam Angle	70x140
Power	100W	Cloudy/Rainy days	5 -7Cloudy/Rainy days
Lumen	180lm/w	Product Size	845*280*100mm
LiFeO4(Energy)	691.2WH	IP/IK	IP66/IK09
Solar Panel	130W Mono	Motion sensor	Optional
LED	240PCS Bridgelux	Remote Control	Yes
Pole diameter	60~65mm	Material	High Class Aluminum
Post Height(Space)	9~12m(30~40m)	CCT	6000K(Customized)
Charging Time	5~6 hours	Warranty	3 Years

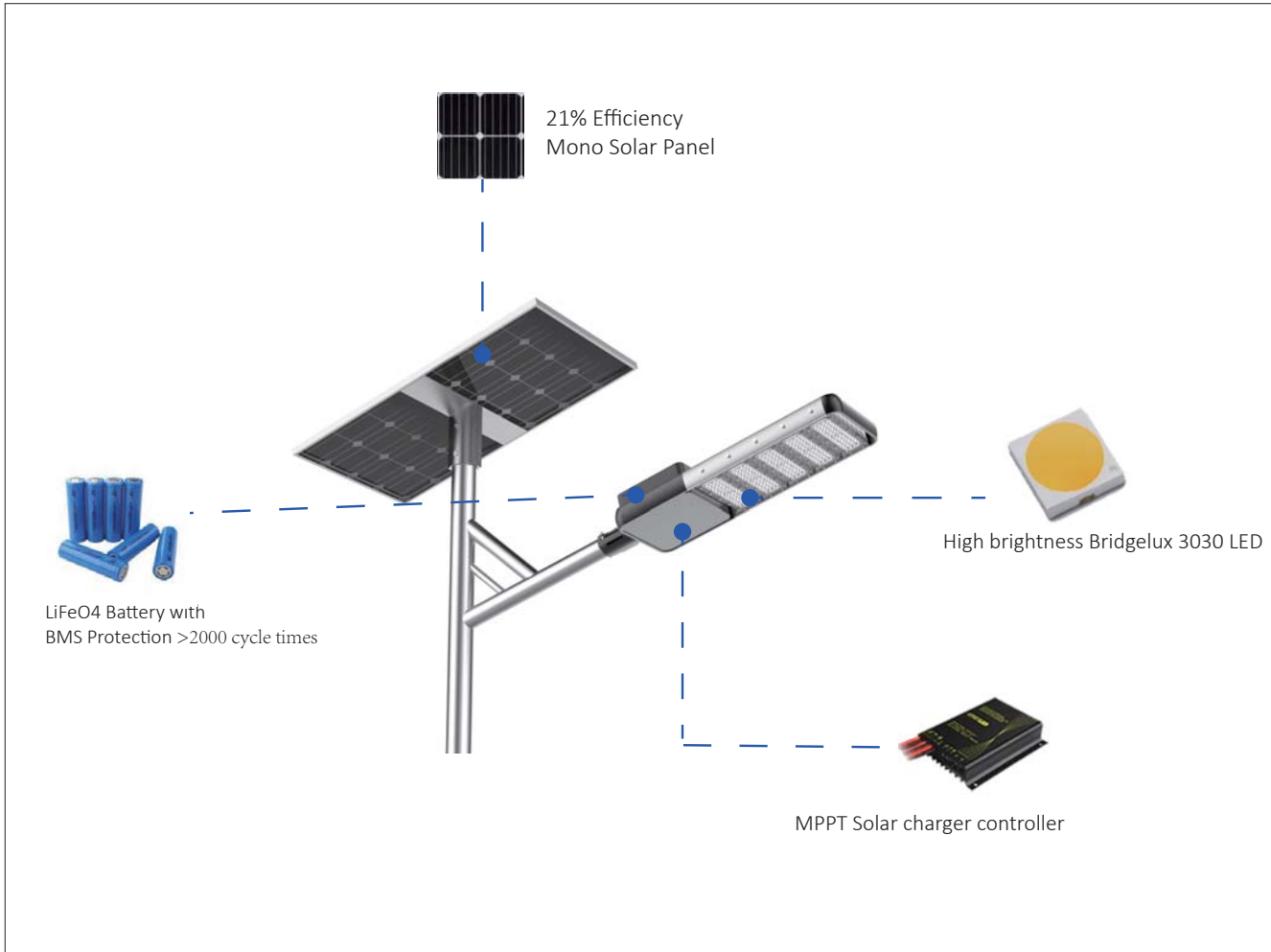


Model	HE-K-120W	Beam Angle	70x140
Power	120W	Cloudy/Rainy days	5 -7Cloudy/Rainy days
Lumen	180lm/w	Product Size	845*280*100mm
LiFeO4(Energy)	750WH	IP/IK	IP66/IK09
Solar Panel	170W Mono	Motion sensor	Optional
LED	240PCS Bridgelux	Remote Control	Yes
Pole diameter	60~65mm	Material	High Class Aluminum
Post Height(Space)	10~12m(30~40m)	CCT	6000K(Customized)
Charging Time	5~6 hours	Warranty	3 Years

B: Environmental

Temperature Range Operating	-20℃ to 50℃
Humidity Range Operating	10% to 80%
Temperature Range Storage	-40℃to 65℃
Humidity Range Storage	10% to 80%

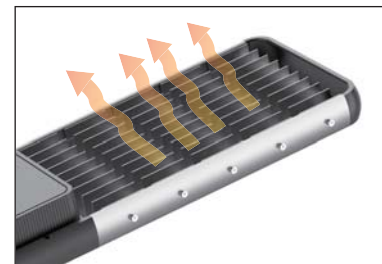
Components



Each LED Module 15° adjustable
Better lighting distribution design



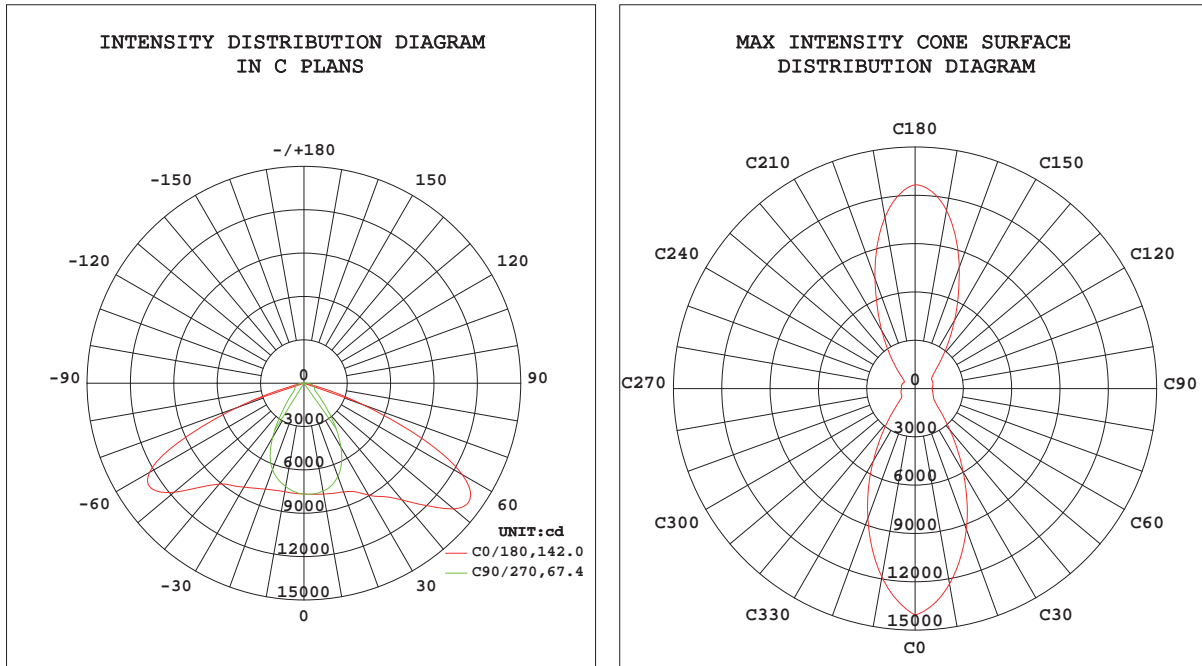
Separated battery design
Better for battery maintenance



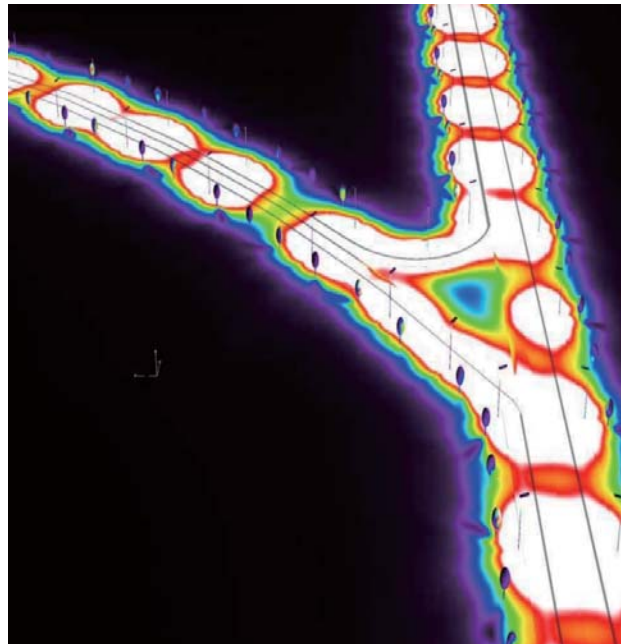
FIN Design on the back
Better for heat dissipation

Lighting Distribution and Dialux Lighting Simulation Support

Lighting Distribution Curve



Lighting Simulation Support



Remote Controller

Hi-Tech Remote Control: Equipped with a 433 remote control, which uses a drone remote control solution. The remote control distance can reach 30 meters, which can directly penetrate obstacles. At the same time, it can control multiple lamps.

Brightness Remote Control: Brightness adjustable +/- by clients themselves, lighting dusk to dawn.

Motion Sensor control: Optional



RESUME
Resume default setting

DEMO
Full lighting 1 min, then off

BRIGHT-
Decrease brightness 5% each time

BRIGHT +
Increase brightness 5% each time

ON
Turn on

OFF
Turn off

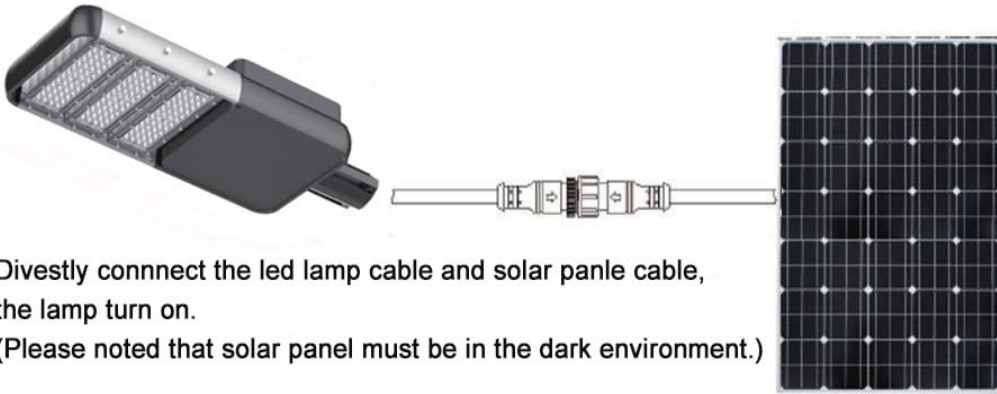
Packing

Packing Information

Item	HE-K-30W	HE-K-40W	HE-K-50W	HE-K-60W
Carton Size(Lamp)/ 1PC	610*330*150mm	610*330*1500mm	700*330*150mm	700*330*150mm
G.W.(Lamp) / 1PC	5.5kg	6.1kg	7kg	7.7kg
Carton Size(panel) / PC	750*500*80mm	750*530*80mm	750*620*80mm	750*860*80mm
G.W.(Solar Panel) / 1PC	4.2kg	4.6kg	6.5kg	7.2kg

Item	HE-K-80W	HE-K-100W	HE-K-120W
Carton Size(Lamp)/ 1PC	790*330*150mm	880*330*150mm	880*330*150mm
G.W.(Lamp) / 1PC	8.85kg	10.2kg	10.6kg
Carton Size(Panel) / PC	1100*750*80mm	1280*750*80mm	1560*750*80mm
G.W.(Solar Panel) / 1PC	8kg	12.5kg	13kg

Installation(Details in User Manual)



Divestly connect the led lamp cable and solar panle cable,
the lamp turn on.
(Please noted that solar panel must be in the dark environment.)



First,Fix the solar panel bracket to the solar panel, then fix the solar panel and the lamp to the pole separately.



Install Diameter: 60-65mm

Compliance and Standards

1. Insulation Resistance

The IR shall be at least 50MΩ when apply 500Vdc between primary and secondary

2. Dielectric Strength (Hi -pot)

Input To Output 3750Vac 60Hz 1minute $\leq 3\text{MA}$

When AC voltage of 3.75KV is applied, and the voltage applied to the insulation under test is gradually raised from zero to the prescribed voltage in 1s, and held at that value for 60s between the inputs. and output and between the input and housing, the current sensitivity shall be less than 5mA. After this test, the adapter shall exhibit no electrical and mechanical abnormalities.

3. Leakage Current

The leakage current shall be less than 0.25mA for class II when power supply is operated maximum input voltage and maximum load.

4. Safety Standard

34A-1501NP IEC:60598-1:2008 IEC61347-1/A1:2010 IEC61347-2-13:2006 IEC62031:2008
IEC62471:2006 IEC62471-2:2009: Passed
EN60598-1/A11:2009 EN61347-2-13:2006 EN61347-1/A1:2011 EN62031:2008 EN62471
EN61195:1999 EN62493:2010: Passed

5. EMI/EMS Standard

EN55015:Passed

EN61000-3-2:Passed

EN61000-4-2:Passed