

# ST50 All-in-one full series integrated solar street light

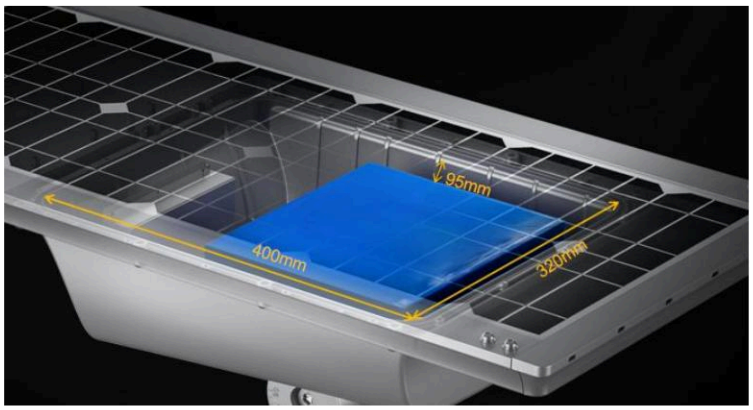
## Bring sunshine to your night.

ST50 is currently the most powerful solar street light.

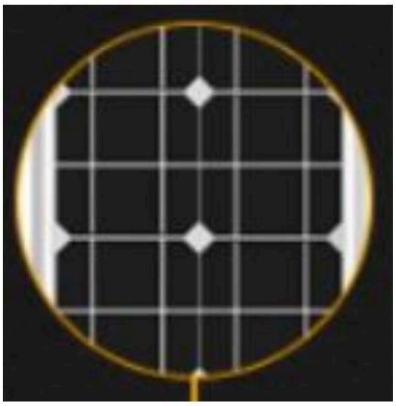
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|---|---|---|---|---|
| 200lm/W | Built-in high conversion rate | 30-100W | ±80° Rotatable LED module | Up to 21% high conversion rate |

KIRITO

# Structure




DIY friendly with large space to fit different capacity of batteries



**Mono-crystalline photovoltaic**

With 21% conversion rate, the panel could help store more energy in rainy day, lifespan is much longer and lighting output performance is better.





±80°adjustable angle, more flexible.
Make your installation easier.
To get more effective sunshine easily



Detachable LiFePO4 battery
High temperature resistance,large current discharge, life cycle more than 2000 times. with longer lifetime,charge for 8 hours which can continuous work for 3 days

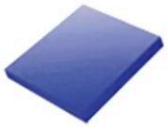
# Structure

Solar panel → Controller → Battery → LED fixture





Charging



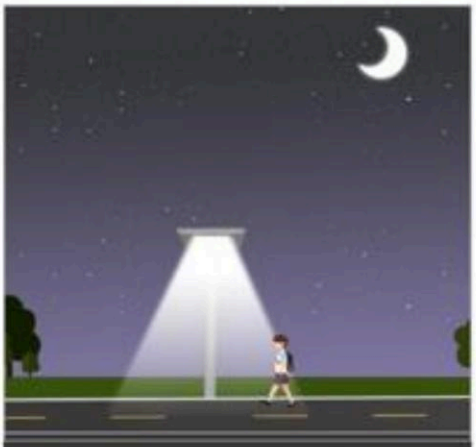
Discharging



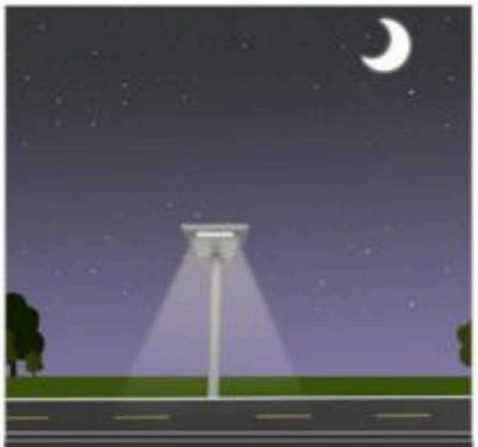
## Factory Default Setting:



With sufficient natural light, the light keeps charging



1st 4 hours from light switches on,the light keeps 100% brightness when presence is detected



The light keeps 30% when there is no presence is detected after 30S hold time in the 1st 4hours



The light keeps 60% brightness when there is presence is detected from 5th to 8th hours after light switches on



After 30S hold time within 5th to 8hours, the light dim to 20% brightness when there is no presence is detected



The light keeps10% brightness for 3hours until the sunrise.

The controller recoginizes day and night base on the solar array open circuit voltage,this day/night threshold can be modified according to local light conditions and the solar array used,setting range 3.0~8.0V.


Setting
Back
Send
Test
Data
Read
Status
Back light
Flash light

# ADDITIONAL PRODUCT SPECIFICATIONS

Are you still looking for a high-power solar street light? ST50 is your best choice, with options up to 100W and full wattages available, including 30W, 40W, 50W, 60W, 80W, and 100W. The cutting-edge structural design provides both visual appeal and strong performance, while the flexible mounting angle can be adjusted up to 140 degrees for worry-free installation. KIRITO makes it both professional and easier. Outstanding efficiency of up to 200lm/W. Monocrystalline photovoltaic solar panels with a higher conversion rate. LiFePO4 battery with longer lifespan; can be charged for 8 hours and continuously work for 3 days. Various light distributions cover most of the applications. Smart control options include PIR, timer dimming, etc. Available in a 5-stage night mode, it can continuously operate for 3 to 4 rainy days in intelligent mode (up to 5 to 7 rainy days available upon request. Applications: For village streets, urban roads, courtyards, parking lot

# PRODUCT VIEWS



VIEW 1



VIEW 2



VIEW 3



VIEW 4