SOLAR STREET LIGHT   Bifacial Series

SL03-JL: Available in 40W-100W models

Product Orientation: All-In-One Solar Street light utilizes Twin Solar Panels and intelligent MPPT controller which mightly increase battery charing efficiency by 25%. Waterproof battery box greatly decrease the potential risk of battery shortage due to ingress water in the long term usage.

Twin Solar Panel Design

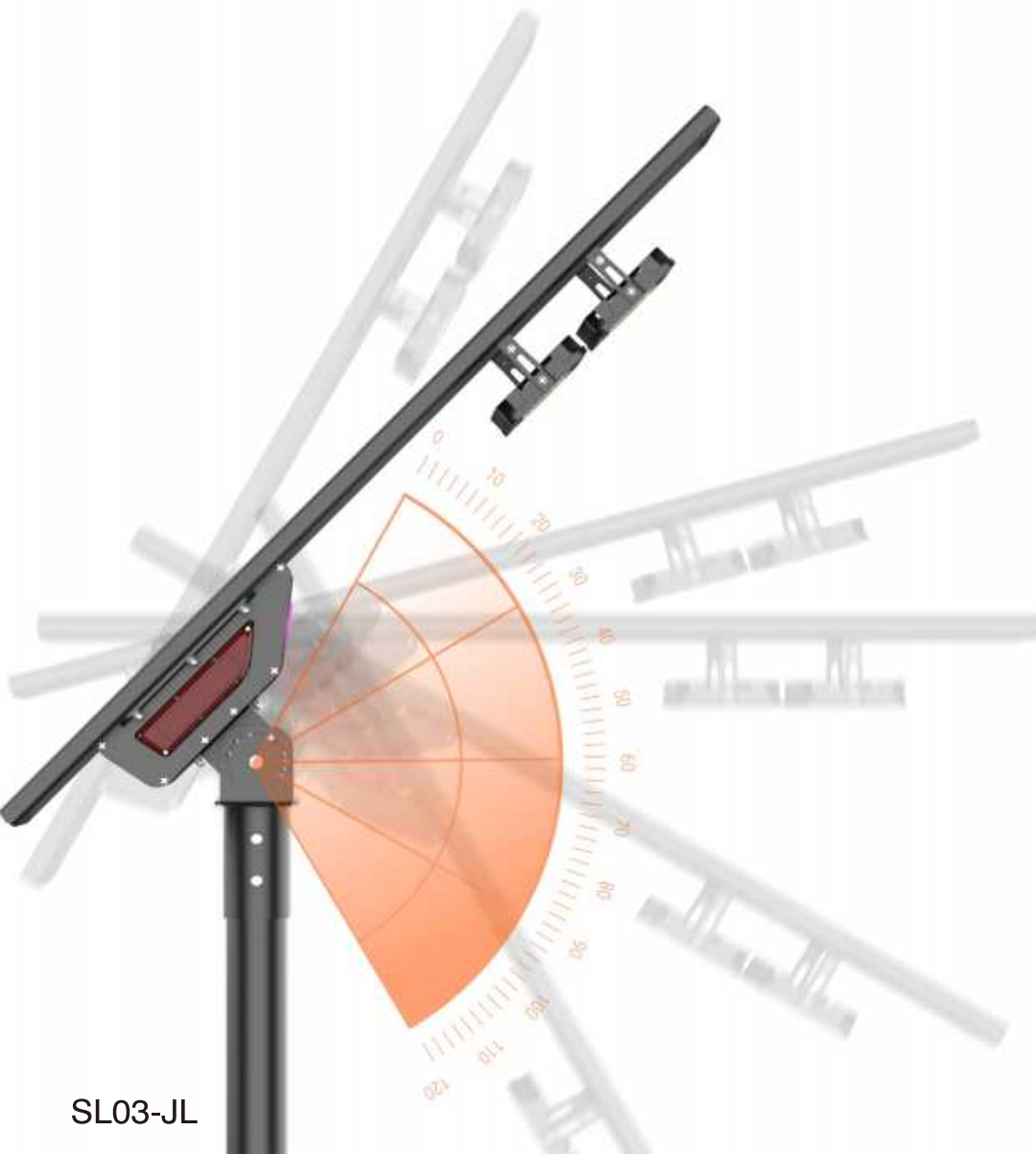Battery Charging Efficiency increase 25%.

SL03-JL

+38°

-38°

LED MODULE Adjustable
Solar Panel Adjustable

Free Adjustable of Multiple angles of Soalr Panel, LED Modules to meet most challenge application fields

IP66 Waterpoof Battery box

Fortified waterproof design to prevent the potential risk of battery shortage due to the water ingress. Fins structure design to improve heat dissipation.

IP66

IK08

SL03-JL

Bifacial Series

Solar Panel

Aluminum
Profile Frame

Solar Panel

MPPT
Controller

Battery

Battery Cavity

Dust Cover

LED Module

Microwave Sensor

Lens

60/82MM MOUNT SLEEVE
304 STAINLESS FASTENERS

φ69MM/φ80MM Lamp-post

ZHAGA Terminal Controller

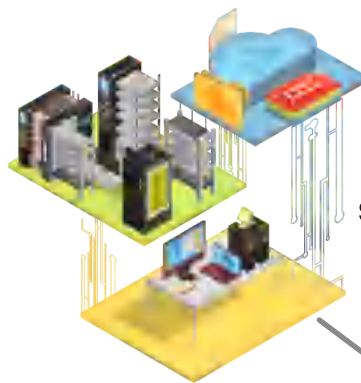Transmit the information to gateway wirelessly through LoRaWan.

LoRaWAN

4G

KINLIGHTS

LoRaWAN Gateway
SEMS-CSG09A

Gateway

SL03-JL

Bifacial Series

Visualization Monitoring

Server

Solar Lighting Control Topology

Remote controll such as dimming, on/off, real-time feedback and etc could be easily achieved by monitoring system through .the data collected by Terminal controller which is transmitted wirelessly through Gateway, Operator Base, Server over LoraWAN as well as multiple links such as Ethernet, 4G, and WiFi networks.

4G

Operator Base

LoRaWAN

Terminal Controller

Bifacial Series

illumination Supervision Platform

Lights Supervison

Monitor data for all terminals in operation at intervals set by the operator and save the detected terminal operation data.
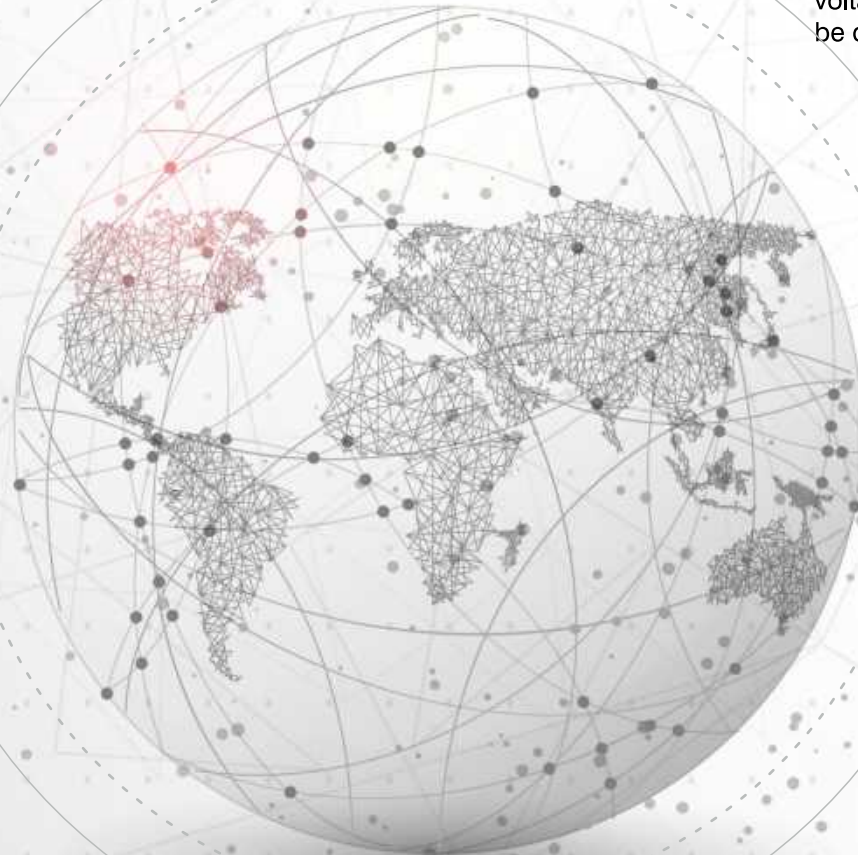
Remote Lighting Control

Randomly turn ON/OFF , Customized Group of Street Lights,Intelligent control of lights ON/OFF at regular intervals, Dimming at time intervals.

Real-Time Data Feedback

Data such as single lamp, gateway, solar panel, battery, lighting fixture status, current, voltage and etc. which can be queried at any time.

Malfunction Alarm

The monitoring software provides real-time fault alarms, fault detection, troubleshooting tracking function by collectinig all data of the battery, solar battery charging and discharging abnormalities or other faults.

Data Summarization

The system automatically carries out statistics according to different regions of the different electricity prices and calculate the electricity bill.

System Extendibility

Open platform interface provides easy connection to other manufacturers' systems, facilities, equipment.