

SL60K-T

PORTABLE SOLAR LIGHTING TOWER

Energy Storage Battery/Solar Power

Product Introduction

SL60K-T is high-efficiency outdoor lighting equipment, integrated with 1.5kWp PV panels and 14.3kWh energy storage batteries, ensuring stable and reliable green energy supply. It adopts an EMS system to implement intelligent scheduling of PV-storage-load linkage and optimize energy allocation for maximize energy utilization efficiency. Backed by the EnerWEB IoT platform, it supports remote monitoring, energy consumption analysis and on-site O&M of beacon equipment. It features three operation modes (manual, automatic, and timed), equipped with light-sensing auto-switching and multi-level brightness adjustment functions. It is applicable to scenarios such as construction sites, emergency rescue sites, outdoor activities, and remote areas, able to provide long-duration lighting without human attendance.



Green energy supply

Using solar power, pollution-free and zero-emission, combined with a large-capacity battery, providing continuous and stable power support for the room.



Intelligent control

ETC controller is combined with the photosensitive sensor, and the device can automatically adapt to the change of light, and the bright can be adjusted.



Strong adaptability

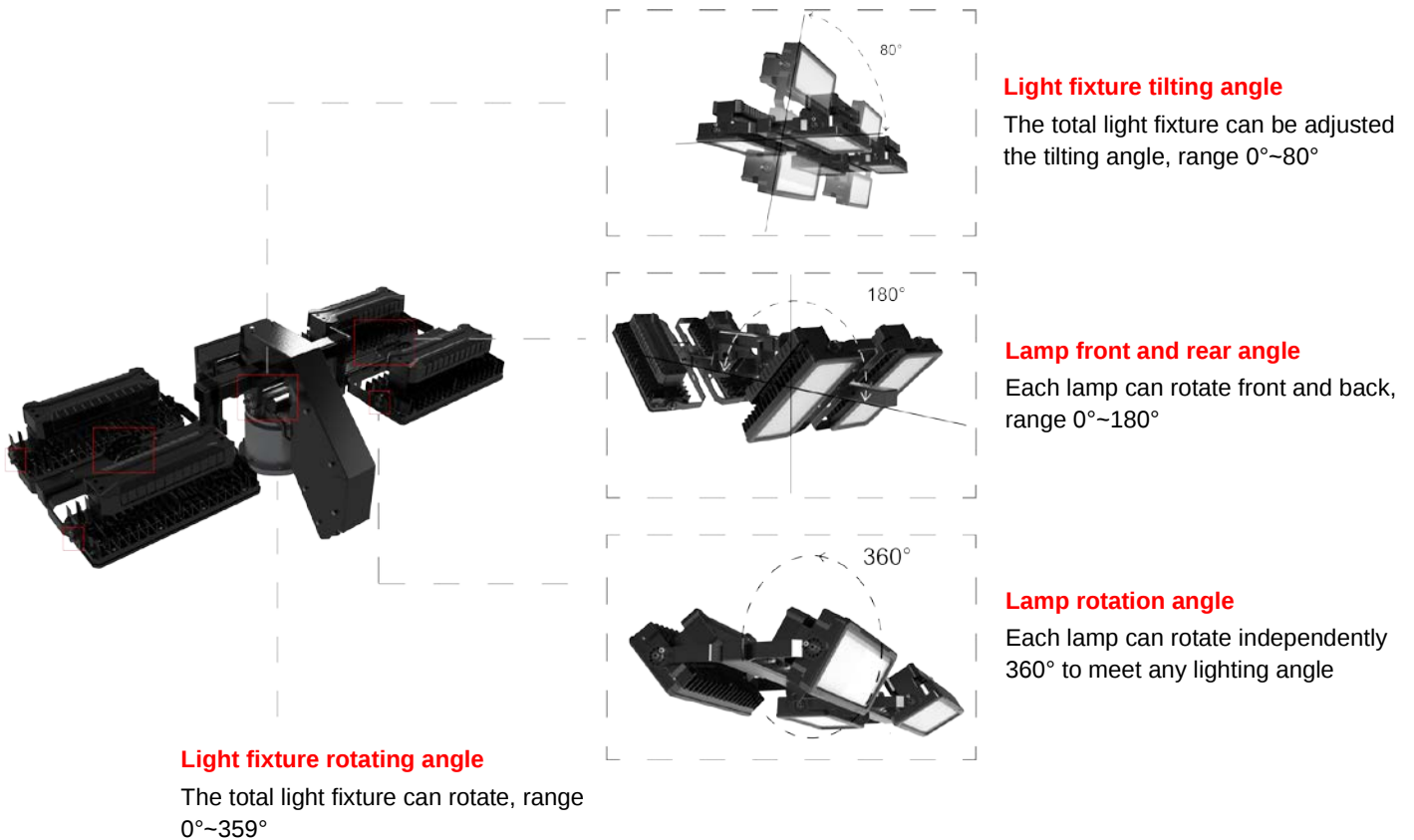
Equipped with a trailer system, can achieve rapid deployment and movement, and easily cope with basic environments.



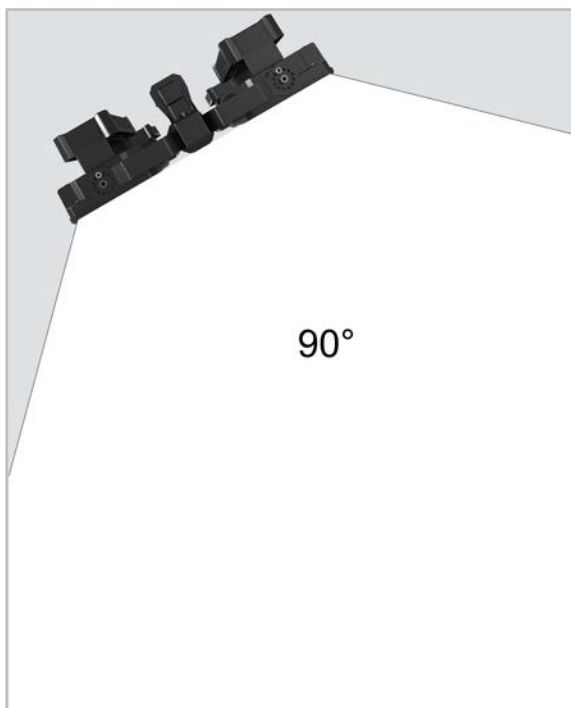
Easy to maintain

Remote monitoring and diagnosis functions reduce the need and cost of on-site care.

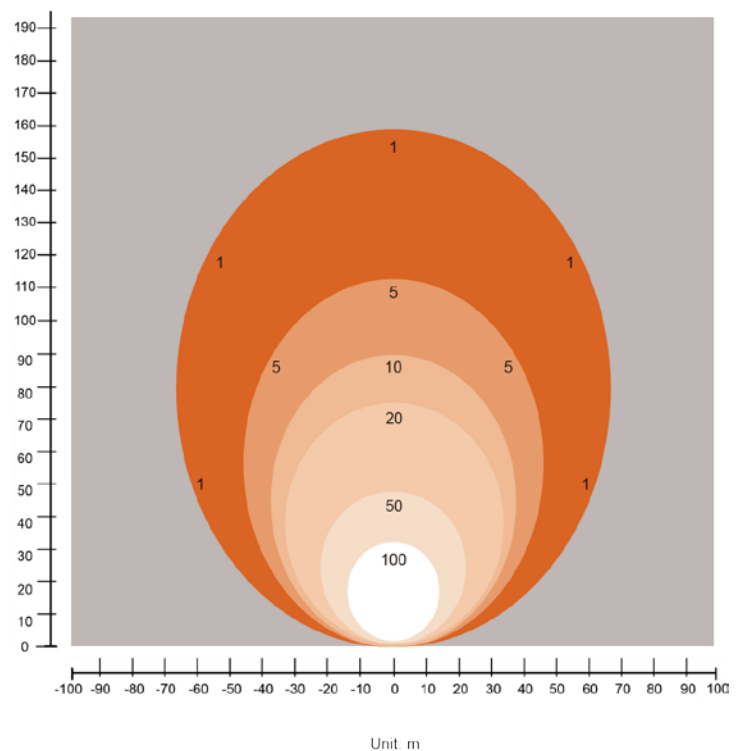
Lamp Angle Adjustment



LED Beam Angle: 90°



Lighting Range:
Effective lighting area $4000\text{m}^2@5\text{lm}$



Technical Parameter

Main Parameter

Model	SL60K-T
Light type	LED
Total lighting wattage	4×150W
Luminous flux (Max)	90000 lm
Light intensity	94500 cd
Effective lighting area	4000m ² @5 lm
Rated voltage	DC 51.2V
Mast extended height	7.5m
Light fixture tilting angle	80°
Light fixture rotating angle	359°
AC output socket	230V/16A
Max. towing speed	80km/h
Max. wind speed	100km/h
Fully extended/retracted time	8/10 s
Sound pressure level @7m	50dB(A)
Net weight	1411kg
Dimensions (Fully retracted)	3030×1472×2520
Dimensions (Fully extended)	3030×3655×7500
40'Loading (qty)	8

LED Light

Number	4
Power	150W
Total power	600W

Parts Parameters

Energy Storage Battery

Battery type	LFP
Cell capacity	280Ah
Rated power	14.3kWh
Rated voltage	51.2V
Operating temp. range	Charge: 0–60℃ Discharge: -20–55℃
Communication method	RS485 / CAN

Solar Panel

Total power	1500Wp
Voltage range	60–150V DC
Rated current	25A
Number	3
Dimensions (L×W×H)	1903×1134×30mm
Weight	24.2kg



Standard Configuration

- 14.3kWh Energy Storage Battery
- 3×500W Solar Panels
- 4×150W LED Light
- MPPT Module
- ETC Controller
- 7.5m Mast
- Hydraulic Power Unit
- Hydraulic Explosion-proof Valve
- Steel Structure Chassis
- Extended Outriggers
- Trailer and Driven Brakes
- Axle Vibration Damping
- AC Output Socket
- Emergency Stop Button

Application Scenarios

