

RS serial Street light

DATASHEET



The RS serial is an all-in-one solar street light, unique designed by Edison, the solar panel, lithium battery, controller, and LED lamp are integrated into one part, convenient for customers to install. It is widely applied in urban and rural roads, parks, squares and so on.

Advantages:

- Excellent heat dissipation
- All-in-one design, easy for installation and adjustment
- EMC 5050 ultra high Efficiency LED + LiFePo4 Battery
+ Mono Crystalline solar panels

Features

- Light efficiency up to 200LM/W
- CRI: ≥ 70
- IP protection: IP65
- Led fixtures Lifespan : 50,000 hours
- Warranty: Light fixture is 5 years, Battery is 3 years, and Solarpanel is 3 years.



Table of Contents

Specification Information	3
Dimensions	4
Light Distribution Curve	4
Packaging Information	4
Revision History	5
About EDISON OPTO	5

Specification Information

- Light fixture specification**

Model No.	RS1-4000Lm	RS2-8000Lm	RS3-12000Lm	RS5-20000Lm
Power(W)	20	40	60	100
Input Voltage (V)	12			
Efficiency(Lm/W)	200*			
Lumen flux(Lm)	4000	8000	12000	20000
Color temperature:	3000K/4000K/5700K/6500K			
CRI	≥70			
IP protection	IP65			
Days for rainproof	≥2days			

- Solar panel specification**

Max power	45W	60W	100W	165W
Voltage	DC18V			
Material	Mono-crystalline			

- Battery Specification**

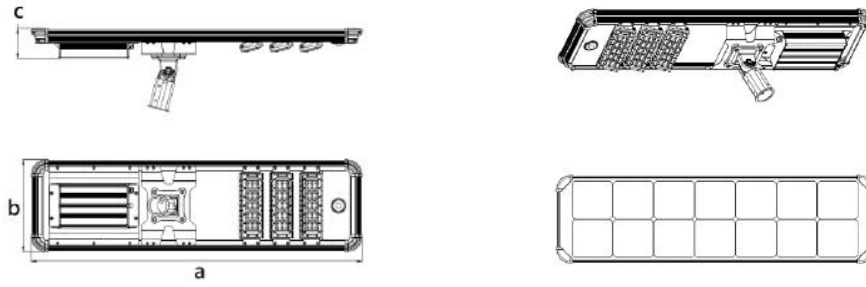
Voltage (V)	12.8			
Battery Module Capacity (AH)	20	40	60	80
Battery Type	LiFePo4 Battery			
Cable (mm ²)	2*1.5mm ²			
Working Temp (°C)	Power charge: 0°C - 45°C; Power discharge: -20°C - 55°C			
Cycles	≥1500 times			
Charging time	6h	9h	8h	6h
Discharge time	> 12hours / night			

- Controller Specification**

Current (A)	10			
Mounting	Side entry or post-top			
Motion+timing mode	2H (100%) ;2H (50%) ;8H detected (100%) ,none (30%) ;(Adjustable)			

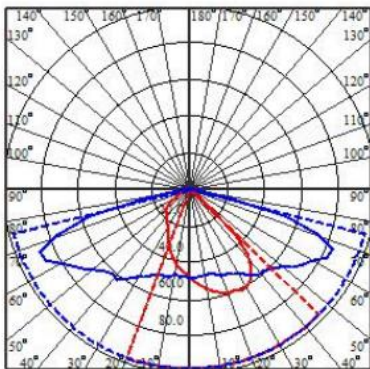
*Based on the color temperature above 4000K

Dimensions



Model No.	RS1-4000Lm	RS2-8000Lm	RS3-12000Lm	RS5-20000Lm
a	878	1118	1673	1878
b	360	360	360	518
c	114	114	114	114

Light Distribution Curve



Other optical types can be provided upon request

Packaging Information

Model No.	RS1-4000Lm	RS2-8000Lm	RS3-12000Lm	RS5-20000Lm
Packing dimension(mm)	1140*450*205	1400*450*205	1950*450*205	2150*600*205
Quantity in a carton	1Pcs/Carton			

Revision History

Versions	Description	Release Date
1.0	NEW	2023/05/26

About Edison Opto

Edison Opto provides comprehensive LED and solid-state lighting products from LED Component, Light Module, UV / IR LED, LED sensing, Horticulture and Automotive Lighting. With a view to improve R&D process, Edison Opto develops the vertical platform on **TEMOTM** (Thermal . Electrical . Mechanical . Optical) to ensure the quality of products and services; Furthermore, Edison Opto creates **LDMSTM** (Lighting Design Manufacturing Service) from light source to luminaire manufacturing, to serve our customers a quality experience of customized solutions.



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