



RSP series

Panels Power: 70W - 120W

Lumen: 6300LM - 12000LM





Modular Design

From 70W to 120W



RSP-60-P



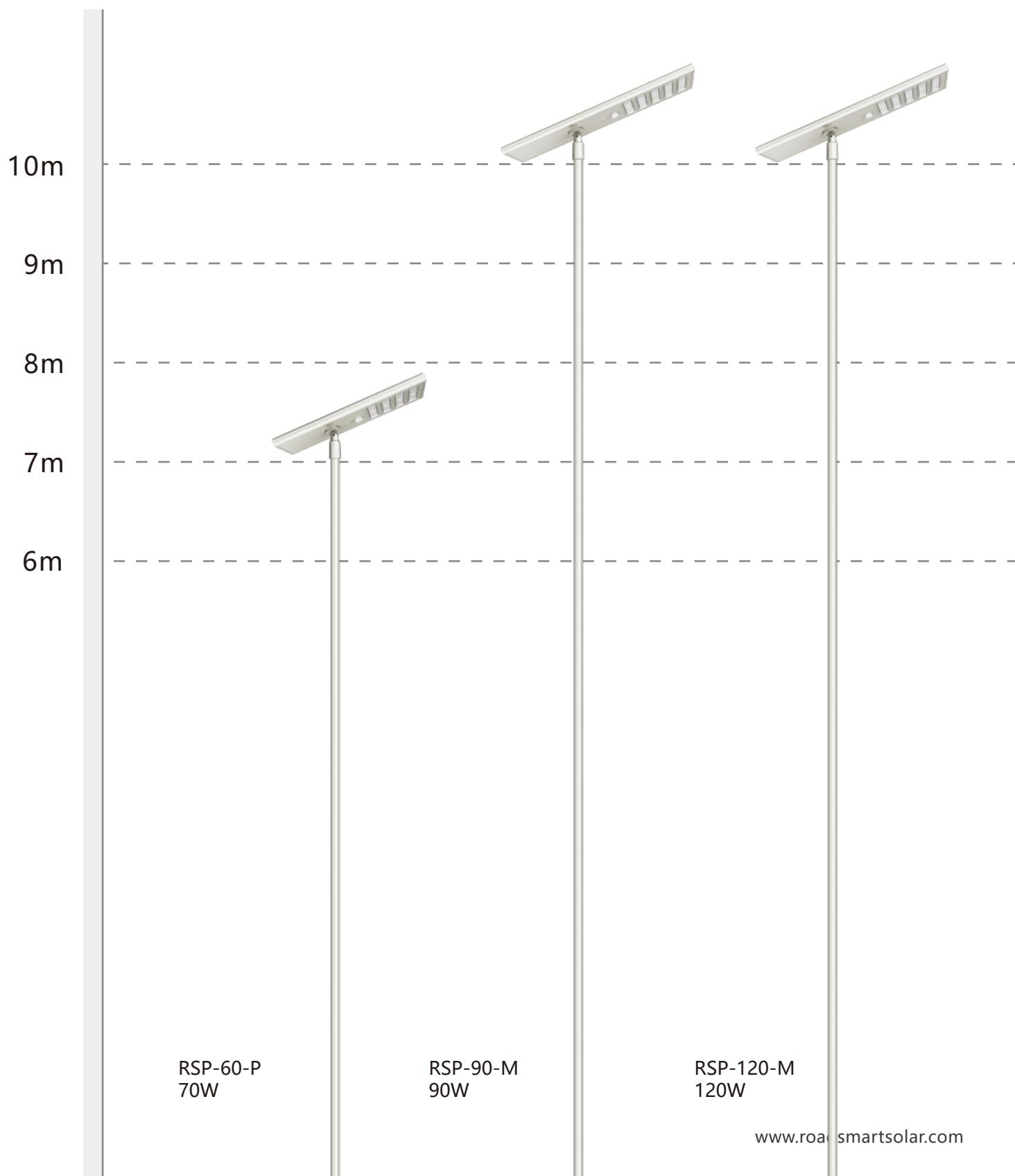
RSP-90-M



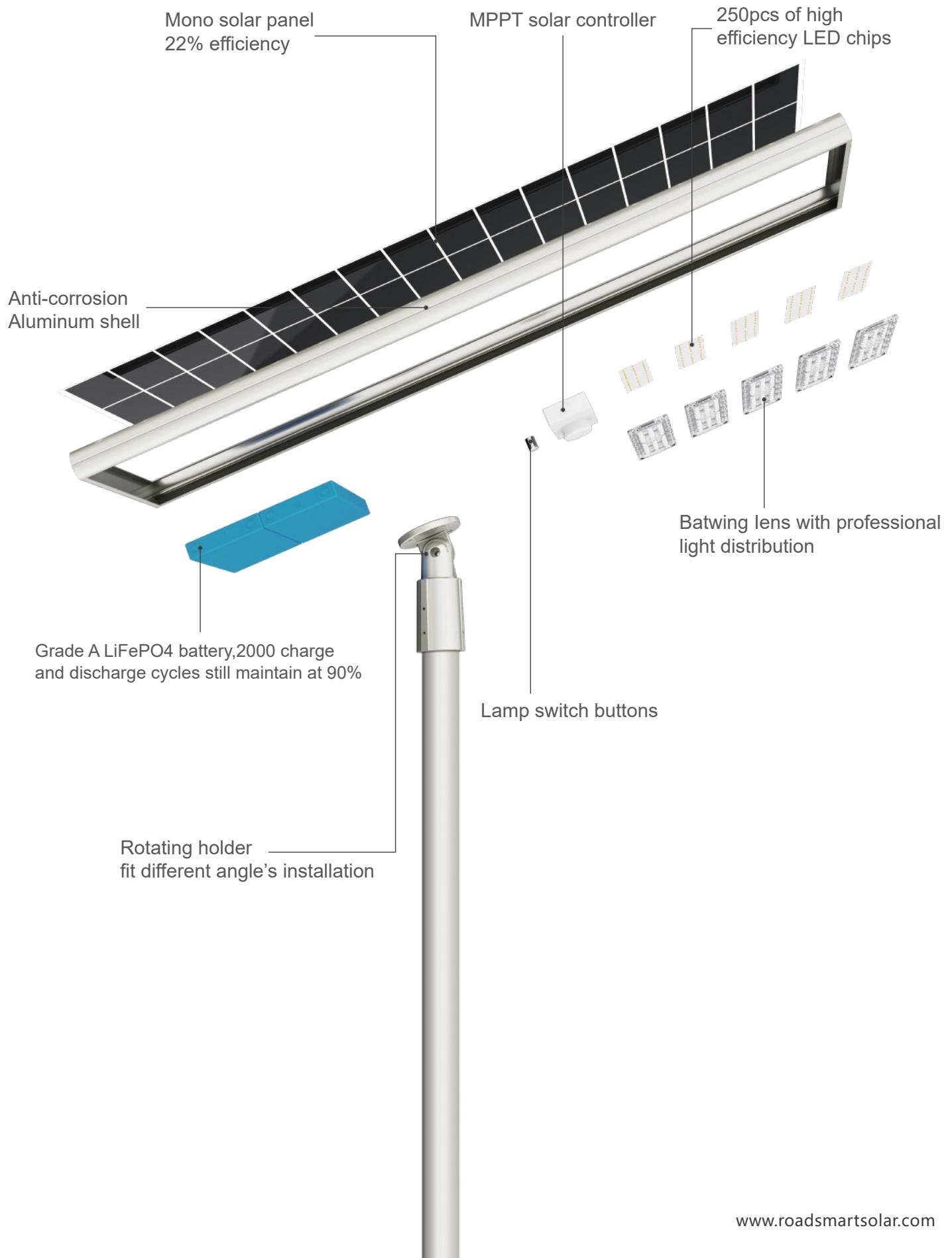
RSP-120-M

Lamp post installation height recommendation diagram

Series	Recommended installation height
RSP-60-P	6-7m
RSA-90-M	8-10m
RSA-120-M	8-10m



Advantage





Patented appearance

Integrated design of solar panel, microcomputer controller, lithium battery and high-efficiency LED light source



Modular design

Modular design of battery and LED chip, transportation, installation and maintenance are more economical and simple



Proprietary control system

RoadSmart self-developed solar controller can adjust different working modes freely, unique control system with more functions, stability is more stronger; Option of microwave induction function to save power and have longer lighting time



The fourth generation of intelligent power control

Upgraded intelligent power control function to regulator reasonable discharge power according to intelligent judgment of recent weather conditions, support longer lighting time and more rainy days



Intelligent high-efficiency lamp chips

250 pcs of high efficiency LED chips, optimized brightness, the whole lighting efficiency is greater than 160lm/w



Intelligent charge and discharge management

Double protection of charging and discharging by software and hardware, and intelligent equalization technology, cycle charging and discharging more than 2000 times



Professional light distribution design

Equipped with patented lens to make the irradiation area more uniform



Indicator lights of battery capacity

Indicator lights of battery capacity display the power of the lamp obviously, which is convenient to observe the charging and discharging of the lamp



Rotating angle design

The illumination area and angle of light can be adjusted reasonably according to the width of the road

Remote Control

RSP-60-P

 DEMO: No matter day or night, light "on" for 1 minute.
Only for test use

 OFF: Light "off", no matter day or night

 L: At night, 100%-2hrs, 70%-3hrs, 20%-dawn

 T: At night, 100%-3hr, 50%-3hrs, 30%-2hrs

 M: At night, 100%-2hrs, 70%-2hrs, 30%-dawn

 U: At night, 100%-3hrs, 50%-3hrs(Highlight mode)

RSP-90-M/RSP-120-M

 DEMO: No matter day or night, light "on" for 1 minute.
Only for test use

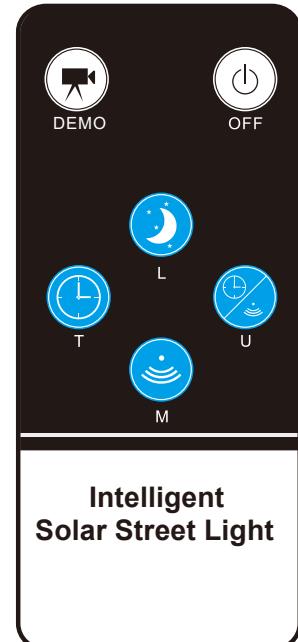
 OFF: Light "off", no matter day or night

 L: At night, 100%-2hrs, 70%-3hrs, 50%-3hrs, 40%-4hrs, 20%-2hrs

 T: At night, 100%-3hr, 50%-3hrs, 30%-2hrs

 M: At night, 100%-2hrs, 70%-2hrs, 30%-dawn

 U: At night, 100%-3hrs, 50%-3hrs(Highlight mode)

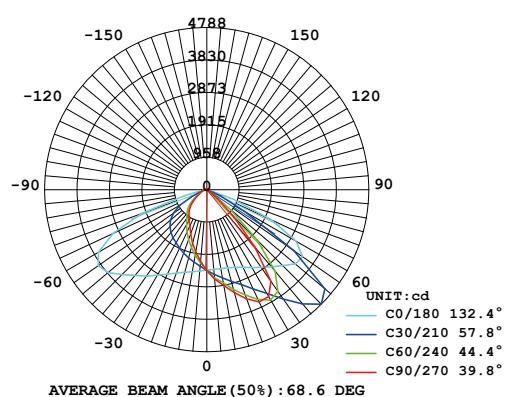
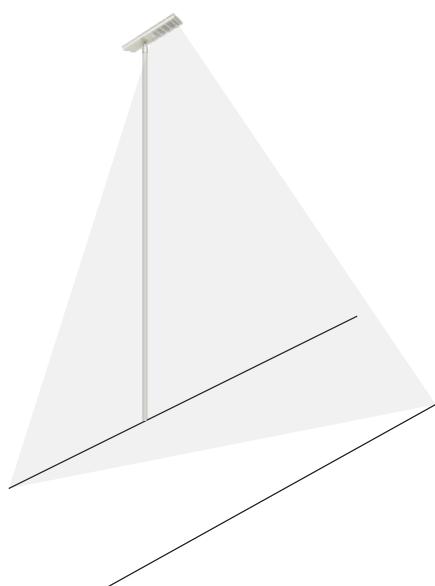


Note:

1. Default is L mode, once a certain mode was set successfully, it will be reserved until you change other modes with remote control.
2. U Highlight mode: Increase 30% on the original basis, mean 3H-130%, 3H-80%.

Light Distribution

Luminous intensity distribution curves.



Parameter

Type	RSP-60-P	RSP-90-M	RSP-120-M
Lamp head			
LED chip	200pcs	250pcs	300pcs
Luminous flux	6300lm	9000lm	12000lm
Beam angle		150*70°	
Lifespan		50000hrs	
IP Rating		IP65	
Working temperature		-20°C~60°C (Charge above 0°C)	
Color temperature		3000-7500K	
CRI		Ra≥70	
SOLAR PANEL			
Power	70W	90W	120W
Voltage	6V		18V
Solar cell efficiency		19%-22%	
Material		Monocrystalline silicon	
BATTERY			
Capacity	240WH/75AH	384WH/120AH	576WH/180AH
Lighting time(full charged)		5-7 rainy days	
Lithium battery		LiFePO4	
INSTALLATION			
Top diameter of pole		60 mm	
Mounting height	6-7M		8-10M
Installation spacing		20-40M	
Product size	357×1080×60mm	417×1248×60mm	537×1318×60mm