

# RSP series

Panels Power: 70W - 120W

Lumen: 6300LM - 12000LM

# Modular Design

From 70W to 120W



RSP-60-P



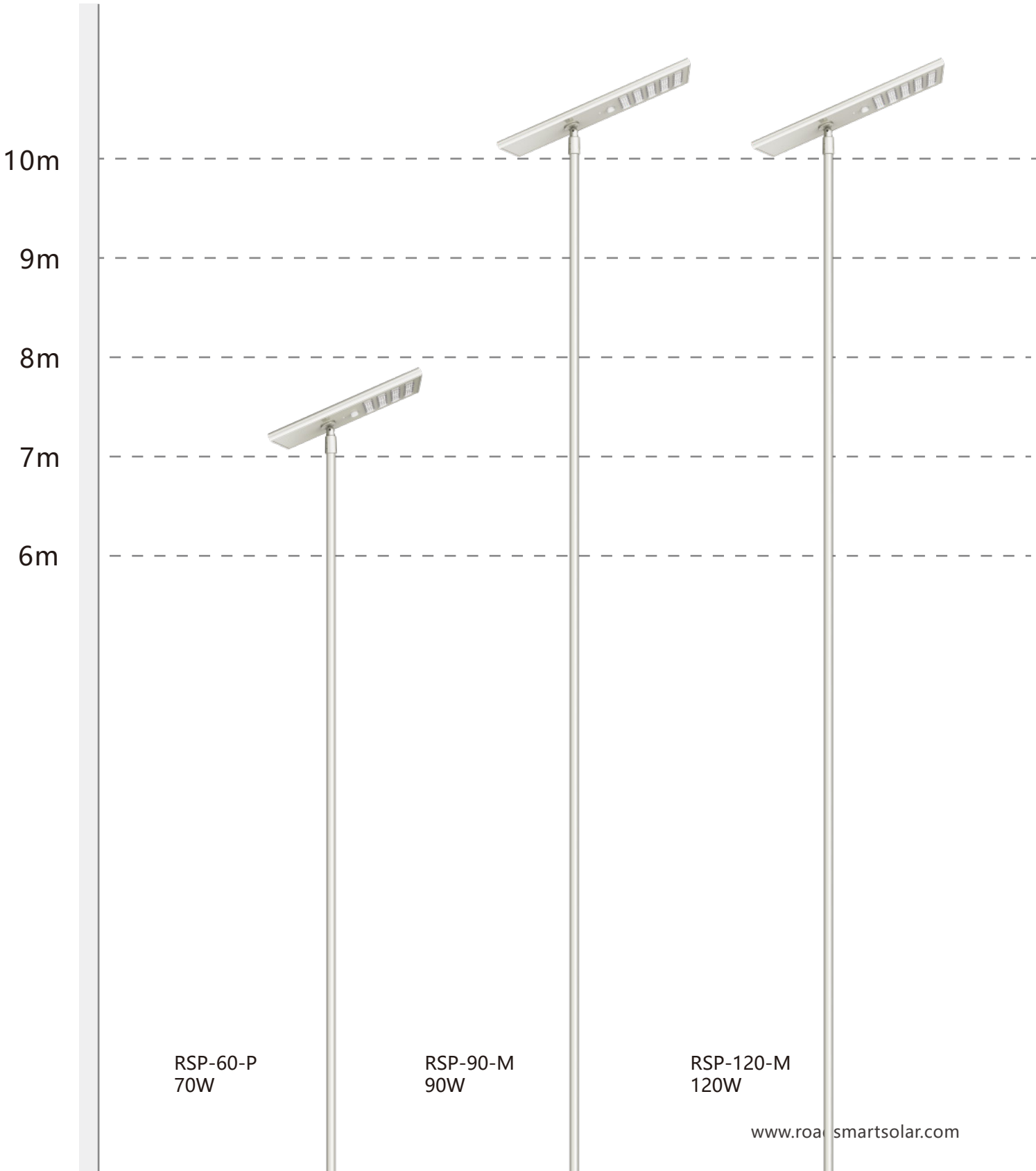
RSP-90-M



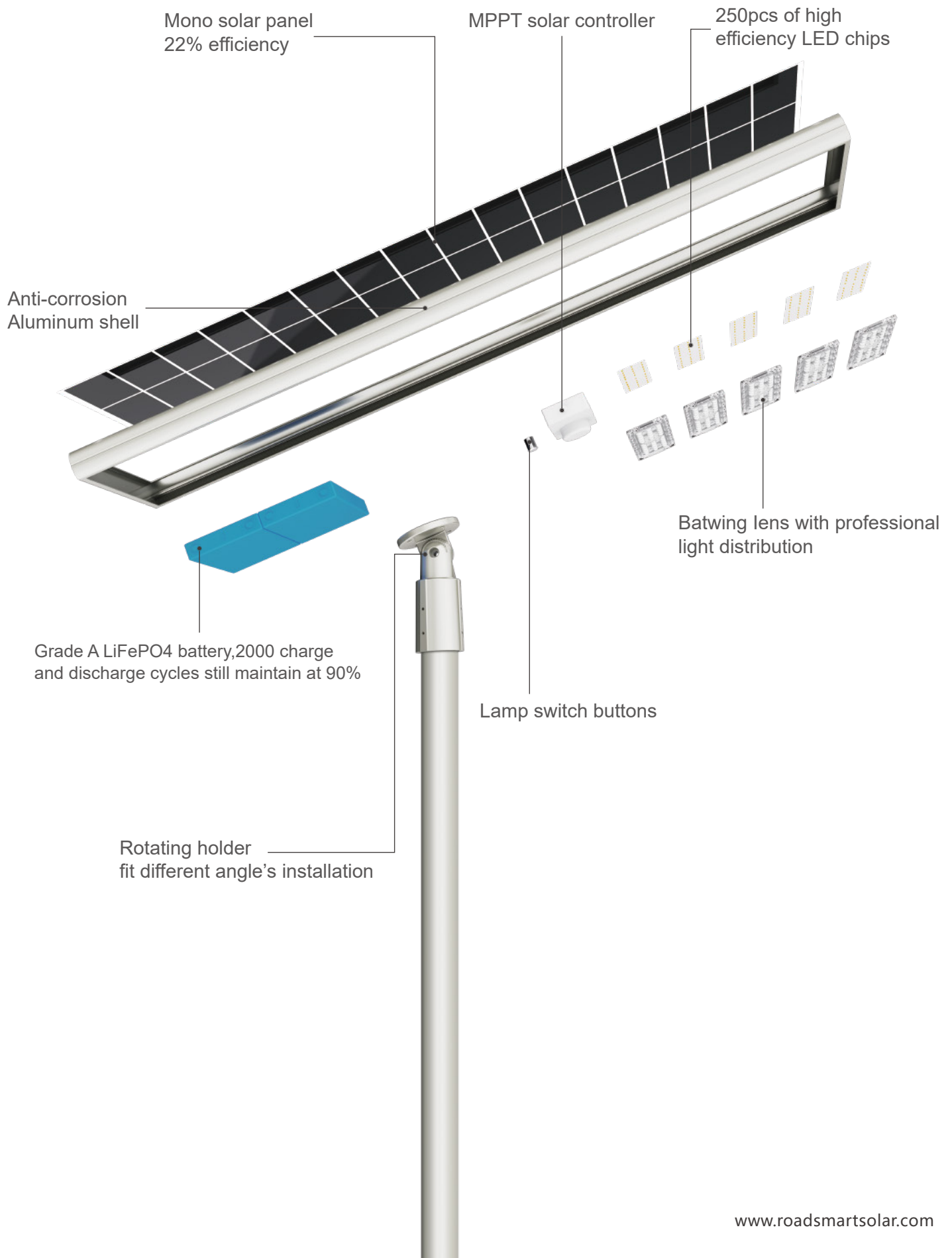
RSP-120-M

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 regulate 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

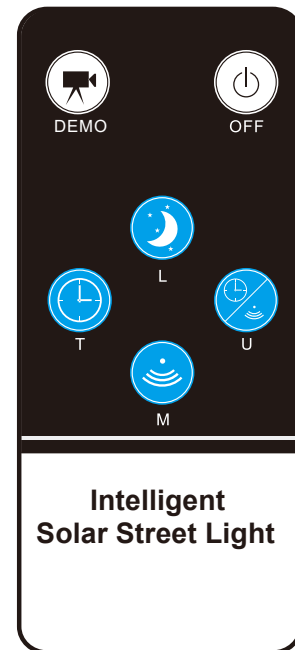
-  DEMO: No matter day or night, light "on" for 1 minute.  
Only for test use
-  OFF: Light "off", no matter day or night
-  L: At night, 100%-2hrs, 70%-3hrs,20%-dawn
-  T: At night,100%-3hr, 50%-3hrs, 30%-2hrs
-  M: At night,100%-2hrs, 70%-2hrs,30%-dawn
-  U: At night, 100%-3hrs, 50%-3hrs(Highlight 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)

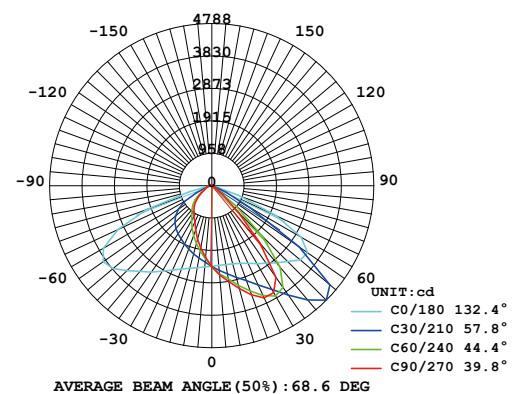
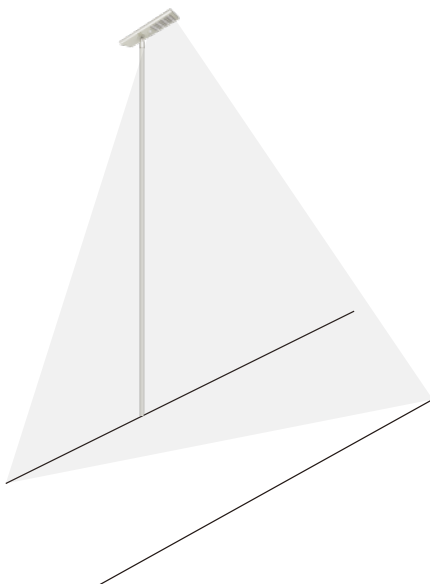
### Note:

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℃~60℃ (Charge above 0℃)		
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