

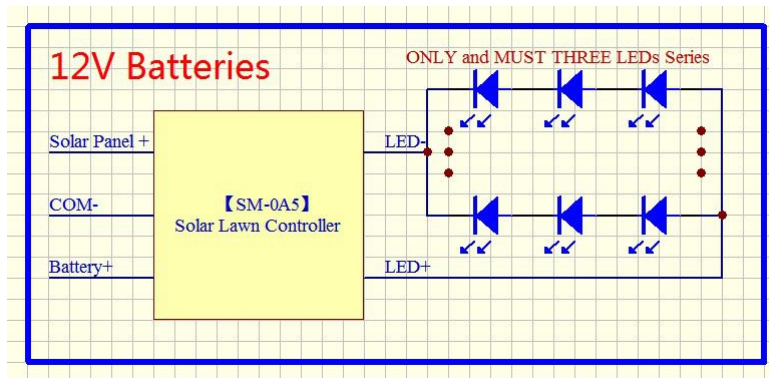
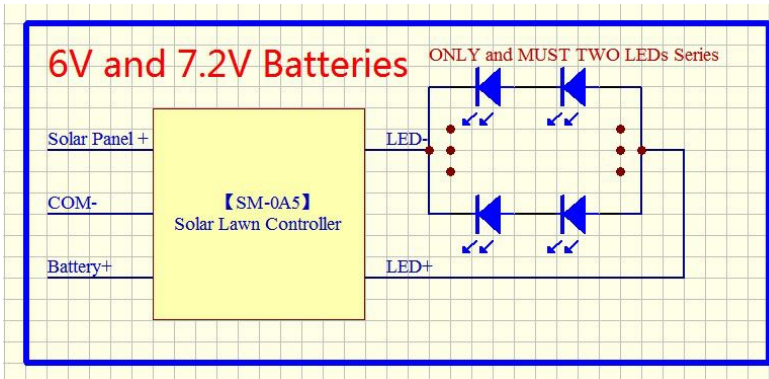
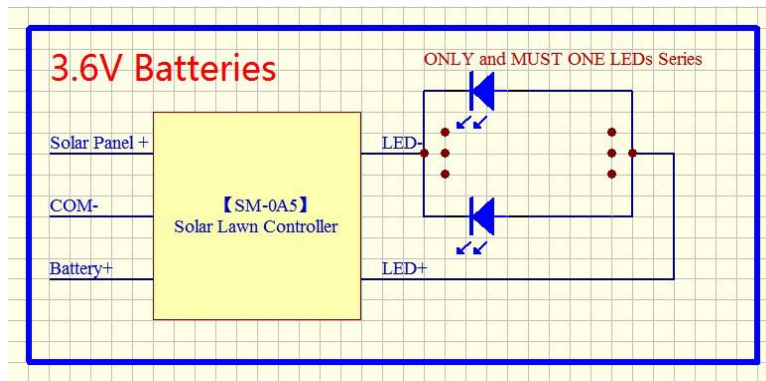
【SM-0A5】 user Manual

Solar Lamp Controller Intergrated LED Constant Current Driver

Main Fetures:

- The running-parameters can be set via Infrared remote control
- 3.6V ,6V, 7.2V and 12V rechargeable battery support(manual set it ,but not AUTO)
- Timing adjustment :1-12 hours,The 0 means load always on.
- Four-Stage LED Brightness Dimming:100%→50%→30%-50% (can be manual set)
- Output current can be adjusted, range: 50-350mA
- The DAY-NIGHT switch-point can be adjusted ,range: 0-3V
- Overcharge and overdischarge protection for battery
- Reverse connection protection for solar panel
- NO Reverse connection protection for battery(connect carefully)
- NO Load short-circuit protection (connect carefully)

_1_Connect Limited



2 Technique parameters

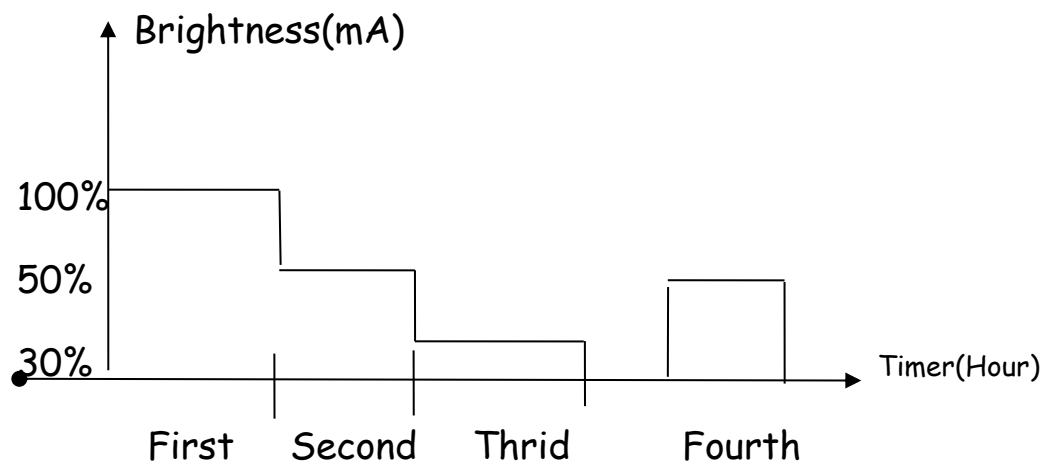
ITEM	3.6V	6V	7.2V	12V
Over-charge Protection	5.0V	8.0V	8.8V	15V
Over-charge voltage	4.5V	7.2V	8.4V	14.4V
Low voltage reconnect	3.0V	5.8V	6.0V	11.6V
Over-discharge voltage	2.7V	5.4V	5.6V	10.8V
Max Solar Panel Power	<5Wp			
Max Charging Current	<500mA			
Max Solar Voltage	<25V			
Max Constant Current Output	<350mA			
IR Frequency	38Khz			
IR BaudRate	2400Bps			
IR Distance	<3m (The distance is too near but not good)			
battery charging control	PWM			
Self Power consume	<1.5mA			
Waterproof	IP65			

_3_Fourth-Stage Dimming Explain


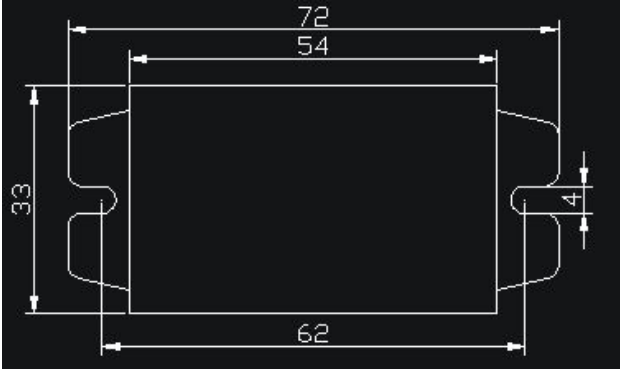
The Fourth-Stage Dimming is core feature of SM-0A5.

In most case, We want more energy-saving at mid-night or late-night, because there are no one. The SM-0A5 provide Fourth-Stage light mode, every stage brightness of LED and timer can be set by IR Parameters Setting Device [SM-IR08]. Default the First-Stage brightness is 100%, Second-Stage brightness is 50%, Third-Stage brightness is 30%. Fourth-Stage brightness is 50%. By using Fourth-Stage Dimming you can reduce power consumption up to 50%!

Other note : The Fourth-Stage is Early-Morning Light .



_4_Dimension

In-Kind Shooting	
Dimension	 <p>72*33*20mm</p>
Weight	60g

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