

Solar G40 LED Bulbs String Lights User Manual



Product Function Description:

The string lights set contains high efficiency solar panel that absorbs solar energy at daytime, converts it to electricity, stores it in the built-in Lithium battery, and supply power to lights at night. The light control technology makes it charged by solar power at daytime and light up at night automatically.

Turn ON the string lights, it will light up at night when the surroundings are dark, so please do not install the solar panel near other light sources, or it will impact its lighting up. And the string lights will light OFF automatically at dawn.

If any individual bulb doesn't light up, please rotate the bulb a bit to make it light up.

For detailed specs of the product you purchase, please refer to below specs table and light length information:

Item Series	1.5W Solar G40 Specs	Upgraded 1.5W Solar G40 Specs	2W Solar G40 Specs	3W Solar G40 Specs	4W Solar G40 Specs	5W Solar G40 Specs
Built in Battery	3.7V 2200 mAh 18650 Lithium battery 1 pc	3.7V 2200 mAh 18650 Lithium battery 1 pc	3.7V 2200 mAh 18650 Lithium battery 1 pc	3.7V 2200 mAh Lithium battery 2 pcs	3.7V 2200 mAh Lithium battery 2 pcs	3.7V 2200 mAh Lithium battery 3 pcs
Solar Panel	5.5V 1.5W resin glue dripping panel	5.5V 1.5W frosted laminated PET panel	5.5V 2W frosted laminated PET panel	5.5V 3W frosted laminated PET panel	5.5V 4W frosted laminated PET panel	5.5V 5W laminated toughened glass panel
Working Current	<150 mA	<150 mA	<180 mA	<270 mA	<350 mA	<420 mA
Suggested LED Qty	10 LED/12LED	10 LED/12LED	12LED/15LED	25LED/30LED	30LED/50LED	50LED/60LED
Micro USB	Not support USB charging	Support USB charge, USB charge current: 5V 1A/H	Support USB charge, USB charge current: 5V 1A/H	Support USB charge, USB charge current: 5V 1A/H	Support USB charge, USB charge current: 5V 1A/H	Support USB charge, USB charge current: 5V 1A/H

LED Quantity and Cable Length:

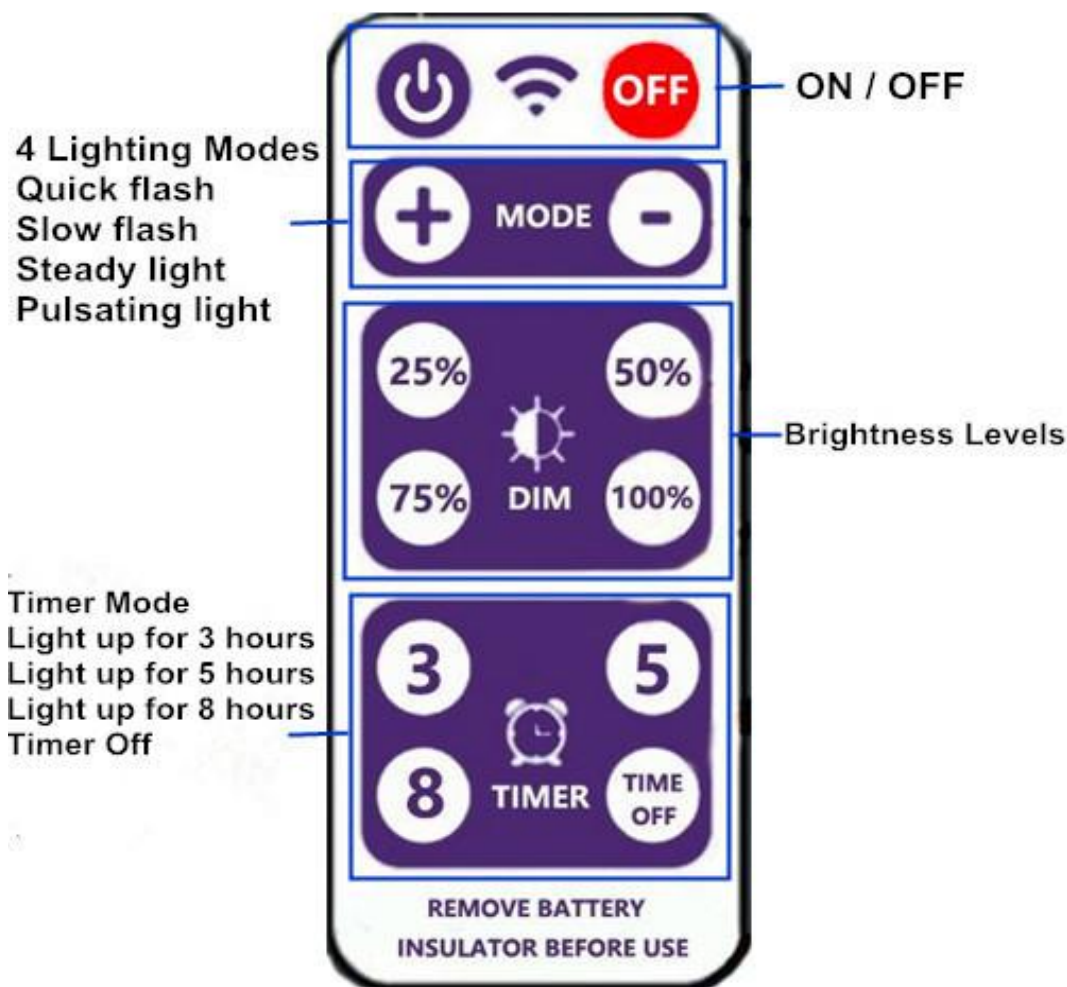
LED QTY	10 LED	12 LED	15 LED	25 LED	30 LED	50 LED
Total String Length	5.72 M	5.85 M	8 M	7.6 M	10.5 M	15 M
Length from solar panel to Female Plug	0.3 M	0.3 M	0.3 M	0.3 M	0.3 M	0.3 M
Length form Male Plug to 1st Bulb	1.37 M	1.37 M	1.37 M	1.37 M	1.3M	1.37 M
Length between 2 adjacent bulbs	0.45 M	0.38 M	0.45 M	0.25 M	0.305M	0.27 M

Use Instruction

1. Connecting the solar panel control box with ground spike and holder;
2. Fixing the string lights at proper place, make sure the solar panel not sheltered, or it will impact the charging of solar power;
3. Remove the plastic film (if there is) on solar panel and press ON/OFF switch to start the intelligent mode: automatically charge at daytime and lighting up at night; press MODE can shift lighting mode;
4. Lighting Mode: press MODE once shift to next mode; 4 modes in total: steady ON, slow flash, quick flash and pulsating flash;
5. Please use USB cable to charge the solar panel if the sunlight is insufficient to supply power to string lights or in cold seasons. Red indicator light on when charging and Green light on when fully charged.

If the string lights set includes a remote control, please see below:

Remote Control Instruction





USB CHARGING
Note: USB Cable is not include



Connector between solar panel and string lights

Durable Sockets

Product Protecting Function

1. **Charging Protect:** battery voltage will keep at 4.2-4.25V after charge, and charging will be stopped once voltage is higher, so as to protect charging circuit and battery.
2. **Discharge Protect:** after output and lights stop working, the battery voltage will be 2.8-3.0V, lights can't work at this condition till battery being recharged and voltage is higher than 3.3v.
3. **Over-current Protect:** the output will be stopped immediately once output current is higher than standard.
4. **Short Circuit Protect:** the whole power system will be OFF once short circuit occurs, it needs charging and activating again for use.

Special Notes

1. The conversion efficiency of solar panel will be impacted by sunlight, so the working time of lights will differ due to weather, season and geographical position, it is normal.
2. The solar panel can only be charged and make string lights light up at ON stage.
3. The water resistant feature is designed for rainfall and natural moisture, do not immerse it into water for along time.
4. Do not hit or drop it hard, in case any damage.
5. The bottom end of spike is very sharp, DO NOT leave it to children.