



Features

- ✓ Solar Energy
- ✓ AC/DC Charge
- ✓ Mobile Charge
- ✓ Multifunctional
- ✓ Private Design

Benefits

- ✓ High Energy Saving
- ✓ High Efficiency
- ✓ Eye Protection
- ✓ Long Life Time
- ✓ Private Mold

Application



Certificate



Specifications

Item Number	Model Power	Maximum Power	Voltage (Vmp)	Battery Capacity	Solar Panel Size mm	CRI	Color Temperature	Life Time (hrs)
LP-MS30A01	30W	4W	6V	3.2V 6Ah	213*130	>83	WW/CW/NW	30000
LP-MS40A01	40W	5W	6V	3.2V 12Ah	248*133	>83	WW/CW/NW	30000



Technical specifications

Item Number	LP-MS30A01	LP-MS30A01
IP	20	20
Class	III	III
Housing Color	Black/White	Black/White
Maximum Power (P max)	4W	5W
Voltage at Max(V mp)	6V	6V
AC/DC	DC	DC
Current Max (Imp)	0.67A	0.84A
The Lithium Battery	3.2V/6AH	3.2V/12Ah
Solar Panel Charging Time	2 Sunny Days	3 Sunny Days
Wire Length	5 meters	5 meters

30W with 3 LED BULBS

Category	Power	LEDS	Efficiency (lm/W)	Current MA	Continuous Lighting Time
Side Light	15W	28353V 150MA 0.5W	100 lm/W	860/560	8h/4h
Flash Light	5W	3V_350MA_1.5W	100 lm/W	180	30h
Bulb	5W	2835_3V_150MA_0.5W	100 lm/W	1200/880/480	3p/4h 2p/6h 1p/12h

40W with 4 LED BULBS

Category	Power	LEDS	Efficiency (lm/W)	Current MA	Continuous Lighting Time
Side Light	15W	28353V 150MA 0.5W	100 lm/W	860/560	14h/5h
Flash Light	5W	3V_350MA_1.5W	100 lm/W	180	50h
Bulb	5W	2835_3V_150MA_0.5W	100 lm/W	1500/1200/880/480	4p/6h 3p/9h 2p/13h 1p/20h



Initial Performance (IEC Compliant)

Luminous Flux Tolerance	+/-10%
Power Consumption Tolerance	+/-10%

Lights Material

Housing Material	ABS Plastic
Solar Panel Materials	Polysilicon

Temperature

Operating Temperature	-45°C ~ 50 °C
Testing Temperature	-45°C ~ 95 °C

Packing Data

Item No	PCS/CTN	Gross Weight KG	Net Weight KG	Length CM	Width CM	Height CM
LP-MS30A01	12	10.3	9.1	56.5	31.5	46
LP-MS40A01	12	10.3	9.1	56.5	31.5	46

Dimensional Drawing

Item No	Power	Length (mm)	Width (mm)	Height (mm)
LP-MS30A01	30W	171	95	125
LP-MS40A01	40W	171	95	125

