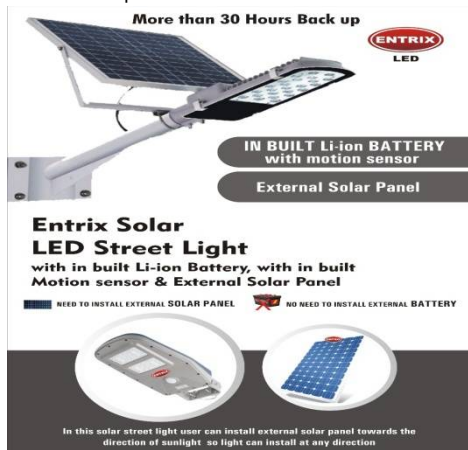


Solar Street Light Split Type with Inbuilt Motion Sensor & Inbuilt Li-Ion Battery

- Solar Street light Luminary with Inbuilt Motion Sensor & Inbuilt Li-Ion Battery.
- External solar panel.



This type of street light has inbuilt charge controller + Led driver + Li-Ion Battery in One Luminary.

- >> Integral Li-Ion Battery design in such a manner that it ensure protection from battery theft.
- >> Long battery life with Li-ion / Li-FePO4 Battery.
- >> No need of connecting extra wire.
- >> Easy to install.
- >> No battery maintenance required for 3 to 4 years.
- >> Zero electricity bills as it run on solar power.
- >> External solar panel can move towards sun direction.

Part Code	Light Wattage	Solar Panel	Battery	Back Up Hours	Over Voltage Cut Off	Lower Voltage Cut Off
ENSSL-MB-6W/8AH/25W	6W	25W	8Ah	>12 Hr	12.5V	9.0V
ENSSL-MB-9W/8AH/25W	9W	25W	8Ah	>12 Hr	12.5V	9.0V
ENSSL-MB-12W/8AH/25W	12W	25W	8Ah	>12 Hr	12.5V	9.0V
ENSSL-MB-15W/8AH/25W	15W	25W	8Ah	>12 Hr	12.5V	9.0V
ENSSL-MB-18W/8AH/25W	18W	25W	8Ah	10 Hr	12.5V	9.0V
ENSSL-MB-24W/12AH/40W	20W	40W	12Ah	>12 Hr	12.5V	9.0V
ENSSL-MB-30W/16AH/40W	30W	40W	16Ah	>12 Hr	12.5V	9.0V
ENSSL-MB-40W/20AH/50W	40W	50W	16Ah	10 Hr	12.5V	9.0V

Note: Above Over Voltage cut off & lower Voltage cut off is for Li-ion battery, it will changed for SMF & LiFePO4. Motion sensor range 7m.

Technical Specification for solar led street light Split Type

Description	12W LED	15W LED	18W LED	20W LED	30W LED	40W LED
Battery Capacity Li-Ion	11.1V/8Ah	11.1V/8Ah	11.1V/8Ah	11.1V/12Ah	11.1V/16Ah	11.1V/20Ah
Solar Panel - Poly Crystalline	25 Watt	25 Watt	25 Watt	40 Watt	40 Watt	50 Watt
Lumen Output / Watt	140 Lumen	140 Lumen	140 Lumen	140 Lumen	140 Lumen	140 Lumen
LED Driver Efficiency	>90%	>90%	>90%	>90%	>90%	>90%
Led Light Operating Voltage	11.1V	11.1V	11.1V	11.1V	11.1V	11.1V
Load Cut-off Voltage for Battery	9.0V	9.0V	9.0V	9.0V	9.0V	9.0V
Deep Discharge protection	9.0V	9.0V	9.0V	9.0V	9.0V	9.0V
Space Between Light Poles	10m - 15m	10m - 15m	10m - 20m	10m - 15m	10m - 15m	10m - 20m
Battery Warranty	1 Years	1 Years	1 Years	1 Years	1 Years	1 Years
Product Warranty	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years
Light Backup Time	Full Night	Full Night	10 Hours	Full Night	Full Night	10 Hours
Over Charge Protection	Yes	Yes	Yes	Yes	Yes	Yes
Battery Deep Discharge Protection	Yes	Yes	Yes	Yes	Yes	Yes
Load Open Protection	Yes	Yes	Yes	Yes	Yes	Yes
Indication on Charging	Green Led Glow	Green Led Glow	Green Led Glow	Green Led Glow	Green Led Glow	Green Led Glow
Indication on Battery Low	Red Led Glow	Red Led Glow	Red Led Glow	Red Led Glow	Red Led Glow	Red Led Glow
Indication on Higher Cut Off	Green LED Blinking	Green LED Blinking	Green LED Blinking	Green LED Blinking	Green LED Blinking	Green LED Blinking
Reverse Current Flow	No Flow of Current	No Flow of Current	No Flow of Current	No Flow of Current	No Flow of Current	No Flow of Current
Temperature Compensation	Yes	Yes	Yes	Yes	Yes	Yes
Motion Sensor	Yes	Yes	Yes	Yes	Yes	Yes

Operation

Solar Street Light uses a PIR motion sensor adjust the led brightness intelligently on detecting any movement in 7m radius around the light. The led glows at full brightness if movement is detected, If no movement is detected more than 1 minute then brightness is reduced to half.



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