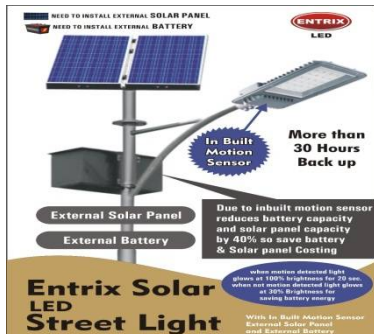


# Solar Street Light Regular with Inbuilt Motion Sensor

- Solar Street light Luminary with Inbuilt Motion Sensor
- External solar panel
- External battery



This model of solar street light has inbuilt PWM charge controller along with motion sensor at front face of Luminary + led driver inside Luminary. Solar Street Light Uses a PIR motion sensor, adjust the led brightness automatically on detecting any movement in 7 meter radius around the light. The led glows at full brightness if movement is detected, if movement is not detected more than 1 minute then brightness is reduced to half. This Intelligent brightness control feature reduces panel capacity & battery capacity by 40%.

Part Code	Light Wattage	Solar Panel	Battery	Back Up Hours	Over Voltage Cut Off	Lower Voltage Cut Off
ENSSL-RM-6W/8AH/25W	6W	25W	8Ah	>12 Hr	13.5V	10.8V
ENSSL-RM-9W/8AH/25W	9W	25W	8Ah	>12 Hr	13.5V	10.8V
ENSSL-RM-12W/8AH/25W	12W	25W	8Ah	>12 Hr	13.5V	10.8V
ENSSL-RM-15W/8AH/25W	15W	25W	8Ah	>12 Hr	13.5V	10.8V
ENSSL-RM-18W/18AH/40W	18W	40W	18Ah	>12 Hr	13.5V	10.8V
ENSSL-RM-30W/26AH/50W	30W	50W	26Ah	>12 Hr	13.5V	10.8V
ENSSL-RM-50W/18AH/100W	50W	24V@100W	24V@26Ah	>12 Hr	30.5V	21.5V
ENSSL-RM-60W/26AH/120W	60W	24V@120W	24V@26Ah	>12 Hr	30.5V	21.5V

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

## Technical Specification for solar led street light Regular With Inbuilt Motion Sensor

Description	12W LED	15W LED	18W LED	30W LED	50W LED	60W LED
<b>Battery Capacity SMF/ VRLA</b>	12V/8Ah	12V/8Ah	12V/18Ah	12V/26Ah	24V/26Ah	24V/26Ah
<b>Battery Capacity Li-Ion</b>	11.1V/8Ah	11.1V/8Ah	11.1V/18Ah	11.1V/26Ah	22.2V/26Ah	22.2V/26Ah
<b>Battery Capacity LFEPO4</b>	12.8V/8Ah	12.8V/8Ah	12.8V/18Ah	12.8V/26Ah	25.8V/26Ah	25.8V/26Ah
<b>Solar Panel - Poly Crystalline</b>	25 Watt	25 Watt	40 Watt	50 Watt	24V@100W	24V@120W
<b>Lumen Output / Watt</b>	140 Lumen	140 Lumen	140 Lumen	140 Lumen	140 Lumen	140 Lumen
<b>LED Driver Efficiency</b>	>90%	>90%	>90%	>90%	>90%	>90%
<b>Led Light Operating Voltage</b>	12V	12V	12V	12V	24V	24V
<b>Load Cut-off Voltage for Battery Deep Discharge protection</b>	10.8V	10.8V	10.8V	10.8V	21.5V	21.5V
<b>Space Between Light Poles</b>	10m - 15m	10m - 15m	10m - 20m	10m - 15m	10m - 15m	10m - 20m
<b>Battery Warranty</b>	1 Years	1 Years	1 Years	1 Years	1 Years	1 Years
<b>Product Warranty</b>	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years
<b>Light Backup Time</b>	Full Night	Full Night	Full Night	Full Night	Full Night	Full Night
<b>Over Charge Protection</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Battery Deep Discharge Protection</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Load Open Protection</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Indication on Charging</b>	Green Led Glow	Green Led Glow	Green Led Glow	Green Led Glow	Green Led Glow	Green Led Glow
<b>Indication on Battery Low</b>	Red Led Glow	Red Led Glow	Red Led Glow	Red Led Glow	Red Led Glow	Red Led Glow
<b>Indication on Higher Cut Off</b>	Green LED Blinking	Green LED Blinking	Green LED Blinking	Green LED Blinking	Green LED Blinking	Green LED Blinking
<b>Reverse Current Flow</b>	No	No	No	No	No	No
<b>Temperature Compensation</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Inbuilt Motion Sensor</b>	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.



Ministry of New and Renewable Energy



GeM Government e Marketplace



MSME Ministry of MSME, Govt. of India