

ALL-IN-ONE SOLAR STREET LIGHT (AIO)




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INTRODUCTION

Revolutionizing Street Lighting with Solar Power

Schnell Energy Equipments the No. 1 IOT solution provider for lighting in India proudly presents the **All-In-One Solar Street Light**, a revolutionary lighting system that combines advanced technology and sustainable design. This innovative solution offers reliable illumination with minimal environmental impact, making it ideal for various outdoor environments.

KEY FEATURES:

- ◆ **Integrated Design:** Solar panel, battery and LED Light in one product for simple installation.
- ◆ **High Efficiency Solar Panel:** MonoPERC panels for maximum energy generation and smaller size.
- ◆ **Intelligent Control:** Light Sense, Motion Sense and Remote monitoring(Optional).
- ◆ **Weather Resistant:** IP65-rated for all-weather performance.
- ◆ **Long-Lasting Battery:** Lithium batteries for extended life and compact design.
- ◆ **Energy-Efficient LEDs:** High-Lumen lighting with low energy consumption and longer.
- ◆ **Motion Sensor:** Automatically adjusts the light brightness to save energy when required.
- ◆ **100% Solar-Powered:** No external power needed, reducing operational cost..

ADVANTAGES

- ◆ **Hassle Free:** No wiring required ,can be installed in any open area ,No trenching and No electrical wiring cost,Omlya Pole.
- ◆ **Eco-Friendly:** Fully solar-powered,No support of grid power required.
- ◆ **Security:** Works upon during power cuts.
- ◆ **Low Maintenance:** Designed for long - term use with minimal maintenance.



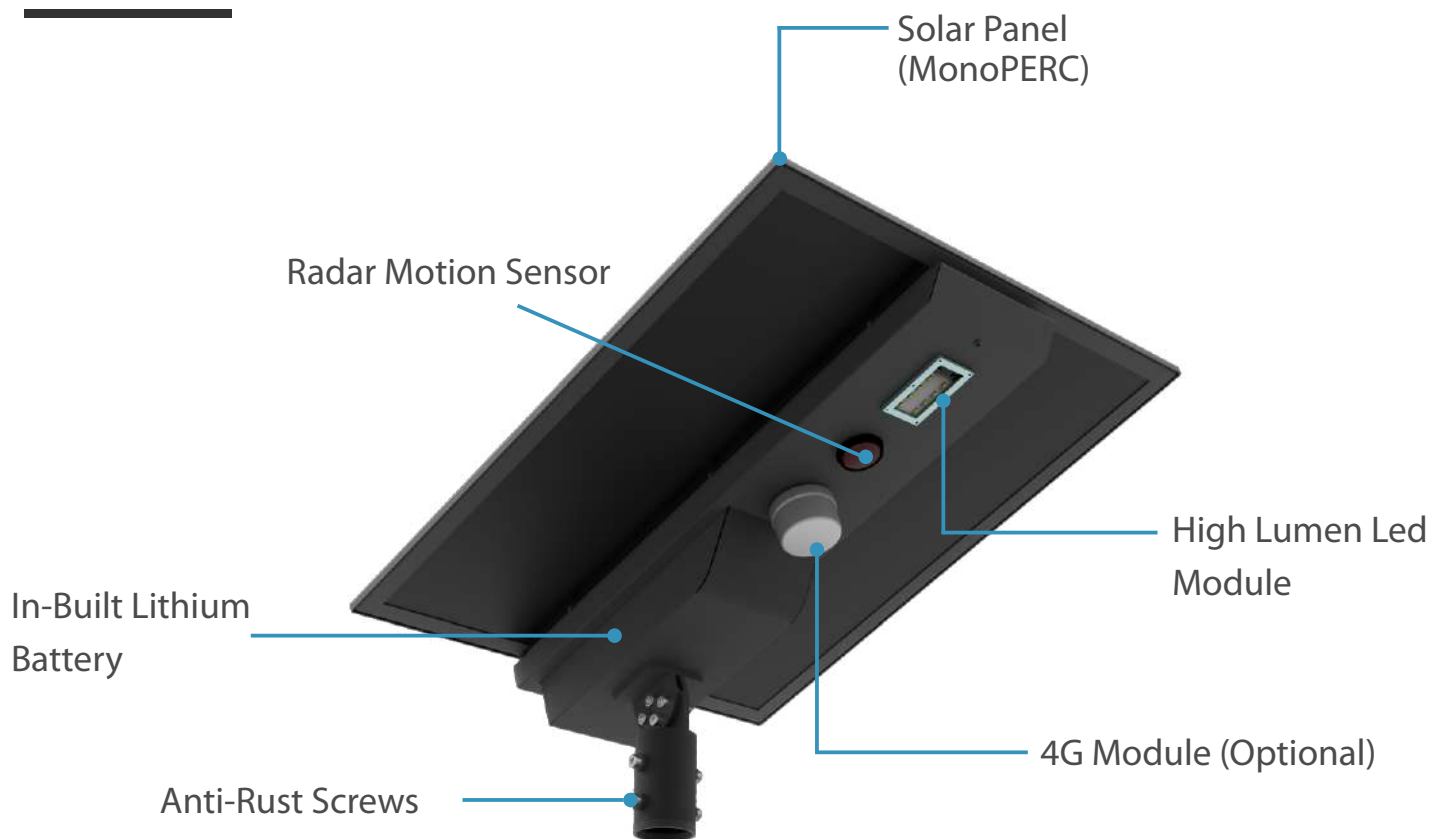


TECHNICAL SPECIFICATIONS

Feature	Specification			
Model Number	Lumino2075	Lumino20120	Lumino40120	Lumino20100
Solar Panel	75Wp	120Wp	120Wp	100Wp
LED Light	20W	20W	40W	20W
Battery Capacity	12V, 30Ah	12V, 54Ah	12V, 54Ah	12V, 48Ah
Autonomy Required in days	2	3	2	2
Solar Panel Type	MonoPERC			
Battery Type	Lithium Ferro Phosphate(LiFePO4)			
Charging Time	6-8 hours(under full sunlight)			
Lifespan of LED	>50000 hours			
Whole Lamp Luminous Efficacy	>160(Lm/W)			
Color Temperature	6000-6500K			
Controller Type	MPPT			
IP Rating	IP65			
Operating Temperature	-20°C to 65°C			



PRODUCT FEATURES



Energy Efficient



IP65



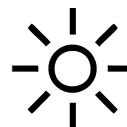
Easy Installation



Extended Battery
Lifespan



No Wiring



High Brightness
Light

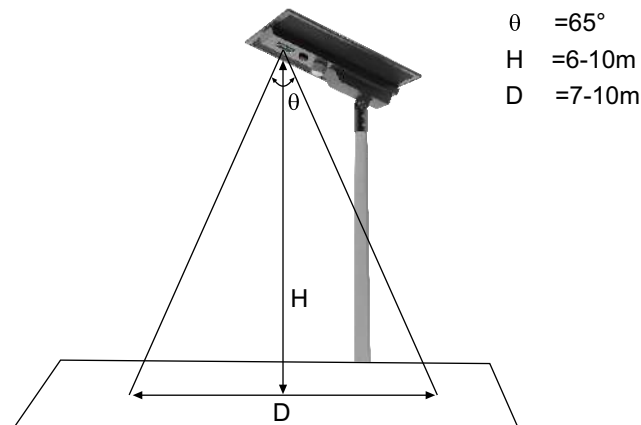


STREET LIGHT REMOTE CONTROL (OPTIONAL)



- ◆ Wireless Remote Controls to program the street light operations.
- ◆ It helps to adjust the parameters and test the light without climbing on the Pole.

SMART SENSING



APPLICATION

Parking Lots



Parks & Playgrounds



Residential Layouts, Apartments & Villas



- ◆ Public Roads and Highways
- ◆ Residential Communities and Gardens
- ◆ Industrial and Commercial Areas
- ◆ Parking Lots
- ◆ Parks & Playgrounds
- ◆ Rural and Remote Locations

PRODUCT DIMENSION

*All Dimensions are in mm

