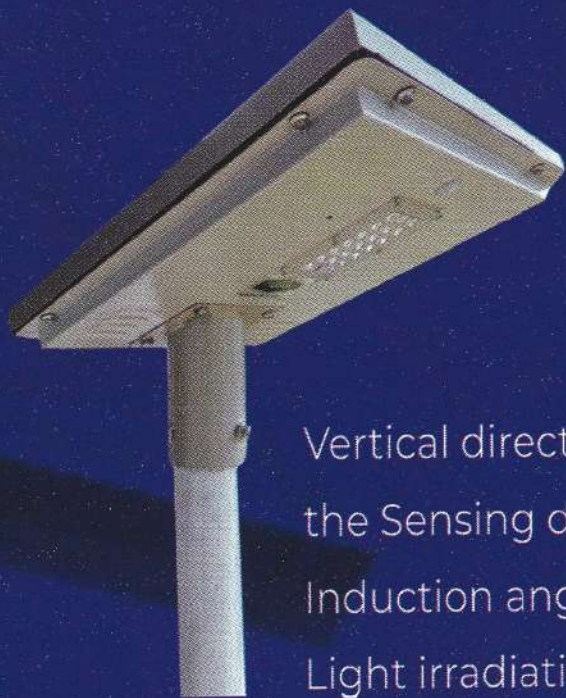


SOLAR STREET LIGHT ALL IN ONE.



MANIAR EXPORTS & SERVICES.

Figure showing Install higher sensing distance farther, the wider the irradiated area.



Vertical direction,
the Sensing distance 6-10m.
Induction angle lens 120°
Light irradiation angle of 160°

Stay on dim when no motion detected



Turn into bright when motion sensed



Our Product

SOLAR STREET LIGHT ALL IN ONE

- Body: Powder Coated Metal
- LED Light Lumens 140/watt
- Mounting Height: 4-6 meter Above Ground Level
- Motion Sensor: Passive Infrared Sensor 9 to 12 Meter Range
- Dimming after 4 hours
- Charge Time 4 to 6 Hours Good Sunshine
- Discharging Time: 12-15 Hours



HOUSING

- Heat sink design based on application and basis of fins ratio, position and air flow for excellent Thermal Management System
- Use of effective aluminum material for high heat conductivity and low heat resistance.
- M4x12mm Stainless Steel Allen bolts - 6-10 Nos.
- M8x40 Stainless Steel Hex bolts - 2 Nos.
- 90% Transparent toughened glass glued with silicon adhesive

LENS / GLASS

- Highly efficient borosilicate glass optics having >95% light transfer efficiency
- Highly sustainable borosilicate glass optics can withstand up to 500°C without any deformations. It can withstand with any environment condition
- High shape accuracy
- Non-surface Shrinkage
- Non-Air bubble formation
- High Transparency
- Flatness below 3 μm
- High Luminous Efficacy
- Low Power Consumption

LED

- Selection of led lamps on the basis of higher lumen efficiency (150lm/w)
- Developed a host of LED and Solar powered lighting solutions & Retrofit solutions
- Use Osram LED

DRIVERS External SPG (Surge Protection) > 10 KV(") for All Lights

High Efficiency BIS Approved tough Drivers with External SPG (Surge Protection) >10 KV(") which would increase Your Profit and Cuts Your Losses

- THD < 10%
- Withstand Voltage: I/P-O/P: Min 2kV
- Isolation Resistance: I/P-O/P > 500 M/1000 VDC
- Low Failure Ratio
- Wattage range 8W to 100
- Surge Protection 2.5 kV & 10kV
- 500 VAC input withstand for 48+ hours
- Auto cutoff / Auto restart / High Power Factor
- Over Temperature & Over Voltage Protection
- Ambient Temperature -10° C to 70° C

SPD

- Provides maximum protection in high risk areas and Outdoor lighting
- The Surge Guard offers protection without replacing a protective earth connection, making it a unique solution
- Can be used for series as well as parallel configuration
- Operational LED indications for the system failure

PRODUCT FEATURES



5 years warranty



Compact & light design



East to install & ready to Use



Wide range
(SOLAR street light – 7 WATT to 120 W)



Efficient

- HIGH efficient POLY/MONO solar Panels
- Low cost maintenance
- Corrosion free and Powder Coated Metal body for long life
- Designed to provide excellent low light response for extended battery life
- Better performance even in low irradiance condition
- IP 67- housing enclosure



Smart

- PWM/MPPT controller
- DUSK to DAWN feature
- Low light behaviour-Better performance in Low light and High temperature
- Standalone system
- Remarkable performance even in shaded conditions



Reliable

- MNRE/ BIS Approved Polycrystalline Solar Panel
- BIS CERTIFIED Lithium ION Battery
- IEC Certified Solar PWM Charge Controller
- Rust free Galvanised POLE
- High luminescence OSRAM LED
- Zero maintenance cost

THE ADVANTAGE OF OUR SOLAR STREET LIGHT

MS BODY ●

LED LAMP ●

Osarm SMD LED

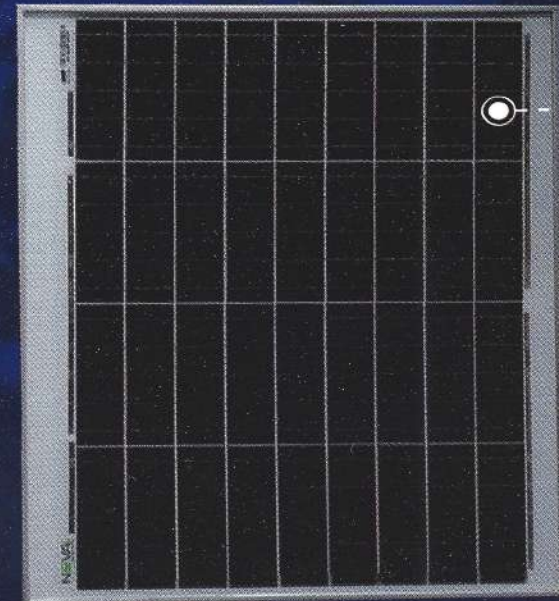
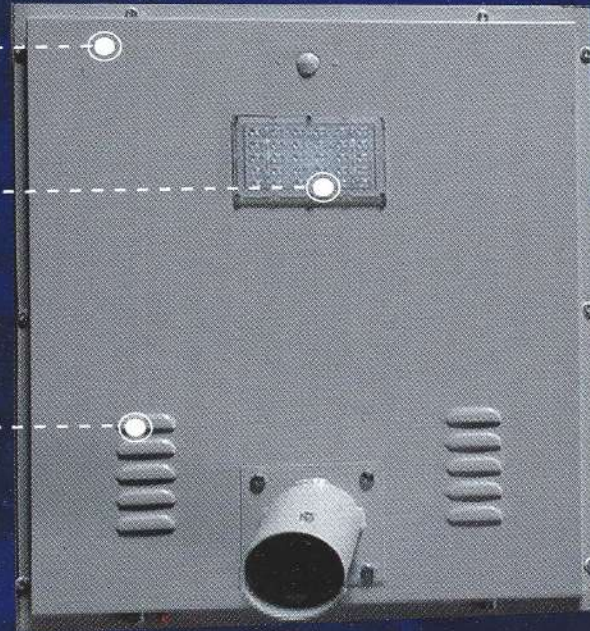
**HEAT
RADIATION
HOLE** ●

LiFePo4 BATTERY

Longer service life

ELECTRIC COMPLEMENTARY DRIVER

Famous Brand Meanwell or MOSO
Driver(Customized)- (MPPT/PWM)



●
Mono-crystalline
SOLAR PLANEL
Higher conversion
efficiency

ALUMINUM HEAT SINK

MPPT CONTROLLER

With MPPT (Maximum Power Point Tracking), more intelligent! The controller will control the brightness of the LED lamp according to the battery level

Product Code	Wattage	Panel	Battery (12.8v LiFePO4)	Lumens	Lux	Distance
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SSL A 7	7	30w	6AH	980	12-15	4mtr
SSL A 9	9	40w	12AH	1260	18-22	5mtr
SSL A 12	12	40w	12AH	1680	25-28	6mtr
SSL A 15	15	50w	18AH	2100	32-35	7mtr
SSL A 18	18	50w	18AH	2520	40-45	8mtr
SSL A 20	20	50w	18AH	2800	45-48	9mtr
SSL A 24	24	60w	24AH	3360	54-58	10mtr
SSL A 30	30	75w	30AH	4200	70-75	12mtr
SSL A 40	40	100w	36AH	5600	90-95	12mtr
SSL A 50	50	125w	48AH	7000	110-115	12mtr

MES

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NOTES TO MAKE.

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