



TATA BP SOLAR INDIA LIMITED

PRODUCT SPECIFICATION

SOLAR STREET LIGHT – 36 W SOx



SYSTEM SPECIFICATION

- ❖ 36W Low Pressure Sodium Vapour Lamp giving 6000 Lumen nominal light output
- ❖ Automatic Dusk to Dawn Operation
- ❖ Independent standalone solar street lighting system
- ❖ Powered by 180Wp of Solar PV Array

- ❖ 12V,225Ah@C120 battery provides 2 (1+2) No-Sun days autonomy
- ❖ 6 mtr height pole

SOLAR MODULE

- High efficiency Multi Crystal silicon cells
- 3 Nos. of TBP 1260 Solar PV Modules
- Designed to withstand tough environment conditions

BATTERY - 12-225 AH

- ✓ Capacity 12V, 225 AH (@ C120)
- ✓ >90% Charge efficiency
- ✓ <3% per month self discharge
- ✓ Estimated Design life > 5 years
- ✓ Topping up frequency once in 6 months

LAMP

- ♣ Sox E-36 Low Pressure Sodium Vapour Lamp
- ♣ 6000 Lumens

ELECTRONICS

Regulator : 12A Series regulator with Nominal system voltage 12V DC.
Dusk to Dawn operation

Indications :
ON Charge
Battery Low

Inverter : High efficiency inverter

Operating Temperature : 0 to 40°C

Humidity: 95 % rh (N.C.)

LUMINAIRE

Outdoor luminaire with transparent acrylic cover. Weather proof design.

POLE & STRUCTURE

M.S pole with corrosion resistant paint.

PROTECTIONS

- Over charge & deep discharge disconnects
- Short circuit protection for lamp
- Battery reverse connection
- Blocking diode to prevent discharge through PV Array

FEATURES

- ♣ Rugged design to operate under wide temperature range
- ♣ Autonomy of 2 (2+1) days
- ♣ Automatic ON at dusk and OFF at dawn
- ♣ Self Standing / Integrated design
- ♣ Insect proof Luminaire
- ♣ 8 Mtrs Light spread