

Solar Street Lamp, Model: 20WLED

Overall performance of Model: 20WLED

- Typical run-time at normal climate condition 12 hours (Factory pre-set at 10 hours)
- Timer setting: dusk to dawn or 4/6/8/10/12/14 hours setting.
- Brightness-1,500 Lm (cool white)
- Battery autonomy-4 days at no sun condition
- Revolutionary photometric design, long life, up to 50,000 hours.
- Tremendous energy savings, save energy 50% than the conventional sodium and mercury lamps.
- Power factor(PF) more than 0.9.
- Lamp efficiency(%) more than 90%.
- Illumination(E): Around 50 Lux at height 5 m.
- Effective illuminated area: 6 m in dia. (height= 5m)
- Color temperature: Cool white, 5,000K
Or warm white, 2,700K
- IP rating: IP64.
- Almost free maintenance at the initial 3 years.



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Solar Street Lamp, Model: 20WLED

The Street Street lamp is consists of the following components:

- (1) Solar panel: 80Wp
- (2) 20 watts power LEDs/ heat sink/ Lamp's housing
- (3) PV charge controller, 12V, 10 amp.
- (4) Battery, 12V, 100 AH.
- (5) Hardware (5 m lamp pole, battery box and mounting bracket)

Specifications:

Solar Panel

Power output warranty- 20- year

Country of origin- Singapore, made by Sunseap.

Part No: AS 80

Specifications

- (1) Rated power: 80 Wp mono or poly crystalline solar panel
- (2) Dimensions: 1196(L) x 526(W) x 40(H) mm
- (3) Weight: 7.5 Kgs

LEDs Lamp / Heat Sink/ Lamp's Housing

(A) Warranty-----2-year

(B) Country of origin----- Japan and Singapore

(C) Specifications:

LEDs Lamp

- 1 piece of 20-watt powered LED.
- View angle: 120 degree
- Color temperature: 5,000 K or 2,700 K
- Brightness: 1,500 Lm (cool white)

Heat sink

- Junction temperature (tj): 75 degree C

Lamps Housing

- Weight: 3 kgs
- Size: 520 (L) x 250 (W) x 140 (H) mm
- Lamp's Housing
 - * Body: Full aluminum extruded with electrostatic powder coating
 - * Bowl: High impact resistance glass bowl
 - * IP rating: IP54 lamp compartment
 - * Insulation class: Class 1
 - * Design standard: IEC 60598-2-3



PV Charge Controller

(A)Warranty-----Two-year

(B)Country of origin----- OEM in China for Sunseap

(C) Specifications

- Input: 10 Amp @ 12 VDC
- Output: 10 Amp @ 12 VDC
- Automatically turn ON at dusk and cut-off at dawn or timer Setting at 4/6/8/10/12/14 hours. (factory pre-set: 10 hours)
- Low voltage disconnected(LVD) for the battery @ 11.7 V
- Re-connected for battery @ 12.2 V
- Float voltage range: 13.8 V to 15.2 V
- Idle current consumption: not more than 3 mA
- High voltage transient(surge) protection at PV panel input for limited lighting protection

Battery

Warranty: One-year

Country of origin-----OEM in China for Sunseap

Specifications:

- 12 V , Gel type, 100AH lead-acid sealed battery
- Deep cycle
- Free maintenance

Hardware(lamp pole and mounting bracket)

- Height of lamp pole: 5 meters
- Hot dipped galvanized and powder coated steel (gray color)
- Pole diameter: 77 mm sq.

Battery Box

- Hot dipped galvanized and powder coated steel (gray color)
- IP65
- Secured with lock



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