

- **Product Name** : 75W Solar LED Street Light Fixture
- **Model** : SESTL-SLED-7560
- **Product Type** : 75W Solar LED Outdoor Lighting Fixture
- **Features** :
 - Designed and developed as per European Standards EN-60598-1, EN-60598-2-3, EN-60598-2-4 & EN-60968
 - Instant start, No flicker, No noise, Low work temperature, Low power consumption.
 - Aluminium Die Cast Body Fixture - Eliminates Problem of Rusting.
 - Optimal thermal design to provide extended life to LEDs.
 - Bug Free Light - UV Free LED Light – Eliminating Bug problems – Reduces frequent glass cleaning expenses.
 - Short Pay Back Period Saving more than 80% Power than traditional fixtures.
- **Applications:**
 - Solar / DC Street Lighting
 - Solar / DC Area Lighting
 - Solar / DC Warehouse Lighting
 - Solar / DC Parking Area Lighting
 - Solar / DC Perimeter Lighting
- **Specifications:**
 - 1) Type of Ballast : Electronic Ballast
 - 2) Operating Voltage : 12VDC +/- 10%
 - 3) Input Power : 75Watt +/- 10%
 - 4) Ingress Protection : IP-65
 - 5) Lighting Efficiency : 100 ~ 120 lm/W.
 - 6) LED Type : 1.1W - 60 nos.
 - 7) Color Rendering Index : >= 75
 - 8) Color Temperature : 6500K +/- 500K (White)
 - 9) Circuit Efficiency : >= 85%.
 - 10) Protection Gear : Under voltage / Over Voltage Protection
 - 11) Body : Aluminium Die Cast Body Fixture
 - 12) Heat Sink Thermal Design : Shah Electronics has designed this street light in which the LED junction temperature is controlled under 75°C and heat sink temperature variation is constrained below 2°C to ensure all of LEDs applied on the street light can reach the same life. Consists of complete aluminium die-cast body heat sink and heat dissipation surface.
 - 13) Dimension (L x W x H in mm.) : 600 x 370 x 80
 - 14) Recommended O.D. of Mounting Arm Pipe : 50 mm.
 - 15) Recommended Mounting Height : 25 Ft. – 30 Ft.
 - 16) Recommended Battery Size : 12 VDC / 300 Ah. (20% DDC Prot.-2 – Days Autonomy) (Gel Cell / Standard - Deep Cycle Battery)
 - 17) Recommended Solar Panel Size : 12 VDC / 240 W (Useful Sun Light Hrs. / Day: 6 Hrs.) (IEC – 61215 ; IEC – 61730 , -2 approved)
 - 18) 12 VDC / 20 Amps. Solar Charge Controller With Automatic Dusk / Dawn Control - (External Unit)
 - With - Current compensated load disconnection
 - Automatic load reconnection
 - Temperature compensation
 - Automatic detection of voltage
 - Voltage regulation
 - Overcharge protection
 - Deep discharge protection
 - Reverse current protection at night
 - Overvoltage protection at module input
 - Battery overvoltage shutdown
 - Automatic electronic fuse
 - 1 year Warranty



Ambient temperature range: Storage Temp. :: 15 °C - Max Temp. :: 75 ° C