



**NATIONAL SOLAR
TECHNOLOGIES**

Wood Utility Pole Solar Powered LED Lighting Systems

STANDARD FEATURES

- High-efficiency LED luminaire
- Best in class solar electric power generation unit.
- Maintenance-free, AGM energy storage.
- 5 days battery autonomy
- Light grey finish (other finishes available)
- 25-year solar module power warranty
- 5-year system electronics warranty
- 2-year battery warranty
- Lifetime product support

LED LUMINAIRES

- High-efficiency, long life LED technology with up to 150,000 hours of operation (20+ Years)
- Standard 32-Watt or 45-Watt LED luminaire
- Up to 5400+ Lumens
- Standard 5700K, Available in 4000K
- Standard 70CRI
- Luminaire styles available are area light, streetlight, and floodlight
- Light distributions available are Area, Streetlight: Type I, II, III, IV, V
Flood: 25°, 40°, 70°

SOLAR MODULES

- Solar module power rating is engineered for the installation location based on solar radiation data, luminaire wattage, and luminaire run-time per night. NST uses data gathered by NASA for thousands of locations around the world which allows for pin-point accuracy when engineering/sizing our solar lighting systems.

ENERGY STORAGE

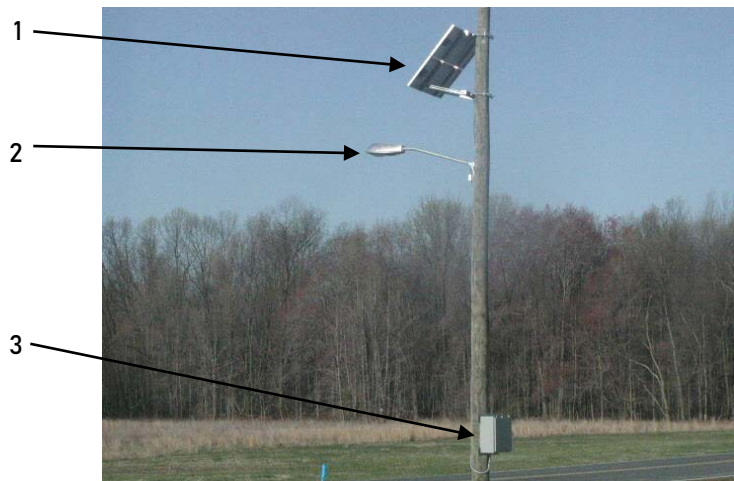
- Batteries used in NST solar lighting systems are heavy-duty internal plate design, sealed, deep cycle, AGM battery technology.
- Standard 5-day battery autonomy

SYSTEM CONTROLS

- MPPT solar charging regulation
- Automatic dusk to dawn operation or programmed timed ON/OFF operation
- Circuit breaker protection

OPTIONS

- Luminaire integrated motion-dimming sensor
- Wireless ON/OFF
- Wood utility pole mounting option available



1. Solar Module(s)
2. Luminaire
3. Power Unit Enclosure

NST STANDARD SYSTEM MODELS

- Pole mount, solar powered LED streetlight, 32 Watts
Item No. SLS-LED-32W-10-5A
- Pole mount, solar powered LED area/parking lot light, 45 Watts
Item No. APS-LED-45W-10-5A
- Pole mount, solar powered LED floodlight, 45 Watts
Item No. FLS-LED-45W-10-5A

OPTIONS

- Wood Pole Option, Item No. WP
- 4' Mast arm, Item No. FMA-4
- 6' Mast arm, Item No. FMA-6
- 8' Mast arm, Item No. FMA-8
- Floodlight bullhorn bracket, Item No. BHA-1



PV Installation
Professional

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