



# Solar Electric Light Tower (SELT)

## Applications

- Remote and temporary sites
- Military bases, FOBs, checkpoints
- Construction sites
- Security lighting
- Outdoor events

## Standard Features

- Quiet operation
- Dusk to dawn lighting operation or timed ON/OFF
- Ultra-bright LED floodlights (4) with adjustable mounts
- Light output of up to 60,000+ lumens
- Efficient operating voltage of 48VDC
- Maximum Power Point Tracking (MPPT) battery charging
- High efficiency monocrystalline solar modules
- Backup battery charger for connection to AC grid or AC generator power
- Sealed absorbed glass mat (AGM) maintenance free deep cycle batteries for solar energy storage
- Light mast is rotatable and locking for easy aiming of floodlights, extended to 30 ft.
- Outrigger supports with leveling jacks for full system stability
- Forklift pockets
- DOT certified trailer, AWS certified, each trailer has its own VIN number.
- 5-year system electronics warranty
- 2-year battery warranty
- Lifetime product support

## LED Technology

- Long life LEDs with up to 100,000 hours of operation (LM70)
- High-efficiency lumens per watt LED light fixtures technology
- Standard fixture has an adjustable bracket for aiming luminaires
- Light color temperature of 3000K-4000K

## Solar Module Technology

- Up to 22% efficiency
- Anti-glare coating
- Wind, hail, and twist tested for ruggedness

## Benefits

- No fossil fuels required
- Quiet, no noise operation
- No exhaust fumes
- Easy to operate with no routine maintenance needed





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## Battery Technology

- Sealed, maintenance free AGM
- Heavy duty internal battery plate design
- Non-spillable, registered as non-hazardous for ground, air, and sea shipping/transport.

## System Enclosures

- Lockable enclosures
- Special finish for low solar gain to keep system electronics and batteries at a lower temperature

## Built-In System Protections

- Circuit breaker protection for solar charging, batteries, and floodlight luminaires
- Protection for solar array overload, short circuit, and high voltage.
- Battery high temperature protection
- Lightning and transient surge protection
- Reverse current protection at night

## System Quality and Integrity

- Quality assurance standards adhered to throughout the manufacturing, assembly, and testing process
- Each system is 100% factory tested
- Tool-less setup
- 25 year limited solar panel power warranty
- 5-year electronics warranty / 2-year battery warranty

## Options and Customizations

- 400W wind turbine
- Back-up diesel generator with auto start
- Back-up gas generator with auto start
- Back-up LP generator with auto start
- 120VAC power with AC receptacles



## NST Solar Light Tower Series

The standard model number is shown, however, other systems and options are available based on your project requirements.

Contact NST for additional assistance and to specify the correct system for your project.

[info@NSTsolar.com](mailto:info@NSTsolar.com) or (800) 310-7413

**Model No. SELT-1200-48VDC**



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