



NATIONAL SOLAR
TECHNOLOGIES



<https://bit.ly/trailer-mounted-solar>

Trailer Mounted Off-Grid Solar Electric Power

Applications

- Remote and temporary sites
- Military bases, FOBs, checkpoints
- Construction sites
- Emergency Power
- Outdoor events
- Anywhere you need power

Standard Features

- Quiet operation
- Power capacity and output voltage(s) are engineered for your requirements. NST can assist you with determining what system will work best for your application.
- Available with both AC and DC voltage outputs
- Pure sine wave AC power output is standard
- Battery voltage ranges available 12-48VDC
- Maximum Power Point Tracking (MPPT) battery charging
- High efficiency monocrystalline solar modules
- Sealed absorbed glass mat (AGM) maintenance free deep cycle batteries for solar energy storage. Gel batteries are available if specified.
- Heavy duty construction, engineered for rough use austere environments
- Aluminum or galvanized steel construction
- 25-year solar panel power output warranty
- 5-year system warranty
- Lifetime product support

Benefits of Solar

- Reduce or eliminate the use of fossil fuel
- No noise, completely quiet operation
- No harmful exhaust, zero carbon footprint
- No routine maintenance
- No special skills required to operate

Solar Module Technology

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



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166 Taylor Dr., Buffalo, NY 14043

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Standard 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

- Enclosed trailers available
- Backup battery charger for connection to AC grid or AC generator power
- Back-up diesel generator with auto start
- Back-up gas generator with auto start
- Back-up LP generator with auto start
- Lithium battery option available



Configurations & Sales

The standard model number is shown, however, other systems and There are many configurations available. Please contact NST for your model number based on the configuration required for your application.

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

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