



PROFESSIONAL. RELIABLE. INNOVATIVE.

NATIONAL SOLAR
TECHNOLOGIES

PORTABLE SOLAR POWERED LED FLOOD LIGHT CART (PFS-LED)

NST can assist you in determining what system will work best for your power needs.



APPLICATIONS

- Remote site lighting
- Temporary lighting
- Military base/FOB lighting
- Construction lighting
- Perimeter security lighting
- General area security lighting

STANDARD FEATURES

- Maintenance free sealed AGM batteries
- Dusk to dawn operation and manual ON/OFF
- Digital battery voltage display
- Tool-less setup
- Various colors available
- 25 year sliding scale solar panel power warranty
- 5 year solar controller/power inverter warranty
- 2 year limited battery warranty

BENEFITS

- No fossil fuels required
- Noise-free operation
- No harmful exhaust leaving zero carbon footprint
- No routine maintenance required
- Easy to operate with no special skills required

LED TECHNOLOGY

- Up to 150,000 hours of operation (LM70)
- High-efficiency lumens per watt technology
- Adjustable arm for aiming LED light
- Standard LED fixture lumen output of 2400+ lumens
- Standard light color temperature with Cool White 5700K
- Minimum 70CRI color rendition

SYSTEM STAND AND ENCLOSURE

- Welded aluminum construction and powder coated finish
- System solar panel and light fixture must fold for portability
- Folds to 6 ft. Extends to 10 ft.
- Unit comes complete with never-flat wheels

SOLAR PANELS

- High-efficiency solar panels engineered for the system installation location based on solar radiation data, light fixture wattage and anticipated light run time operation per night
- Minimum 185-watt power rating

BATTERIES

- Heavy duty internal plate design sealed AGM technology
- Typical 3-5 day battery capacity
- Battery hold down straps safely secure batteries inside the systems power center enclosure

STANDARD SYSTEM CONTROLS AND FUNCTIONS

- Maximum power point tracking (MPPT) solar battery charging with lighting load regulation and circuit protection prewired and tested
- Automatic dusk to dawn operation with external manual ON/OFF switch
- Digital system battery voltage display
- Built-in system circuit protection