



# Portable Solar Powered LED Flood Light Cart

## \*Model PFS-LED Portable Flood Lighting System

### Applications

- Remote Site Lighting
- Temporary Lighting
- Military Base/FOB Lighting
- Construction Site Lighting
- Perimeter Lighting
- General Area/Security Lighting

### Standard Features

- Maintenance Free Sealed AGM Batteries
- Dusk Until Dawn Operation & Manual ON/OFF
- Digital Battery Voltage Display
- Tool-Less Setup
- Various Colors Available
- 25 Year Limited Solar Panel Power Warranty
- Standard 2 Year System Parts Warranty

### Benefits

- No Fossil Fuels Required – 100% Solar Powered
- No Noise- Completely Quiet Operation
- No Exhaust Fumes- Zero Carbon Footprint
- No Routine Maintenance Required
- No Special Skills Required to Operate

**\*\*Field Tested: Over 200 Model PFS-LED systems deployed in Afghanistan by the US Military.**



(Folded Position)



High Output Adjustable LED Flood Light Fixture

High Efficiency Solar Panel

Power Unit with Sealed AGM Batteries, System Micro-Processor Controller, Manual ON/OFF Switch and Digital Battery Voltage Display

### LED Technology

- Long Life LEDs up to 150,000 Hours of Operation (LM70)
- High Efficiency Lumens Per Watt LED Light Fixture Technology
- Standard Fixture- LED Floodlight with Adjustable Arm For Aiming
- Standard LED Fixture Lumen Output of 2250 Lumens
- Light Color Temperature Standard – Cool White 5700K
- Minimum 70CRI Color Rendition

### System Stand and Enclosure

- Welded Aluminum Construction, Powder Coated Finish
- System Solar Panel and Light Fixture Mast Fold for Portability
- Folds to ~6 ft., Extends to ~10 ft.
- Unit Comes Complete with Wheels- Never Flat Type Wheels

### Solar Panels

- High Efficiency Solar Panel 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 Battery Technology, Typical 3-5 Day Battery Capacity
- Battery Hold-Down Straps Safely Secure Batteries Inside the System's Power Center Enclosure

### Standard System Controls & Functions

- Maximum Power Point Tracking (MPPT) Solar Battery Charging with Lighting Load Regulation and Circuit Protection Pre-Wired and Tested
- Automatic Dusk to Dawn Operation, External Manual ON/OFF Switch and Digital System Battery Voltage Display.
- Built-In System Circuit Protection



**Illumination Pattern of One(1) Portable Solar Powered LED Flood Light Cart Shown Above**



*Professional. Reliable. Innovative.*

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