



166 Taylor Rd. Depew, New York USA 14043  
Ph: (800) 310-7413 or (716) 683-2505 Fax: (716) 683-8655  
Email: sales@nationalsolaronline.com  
Web: www.nationalsolaronline.com



GSA Contract No. GS07F-0108J

New York State  
Contract PC64694

### Applications

- Work Site Lighting
- Remote Outposts and Base Camps Lighting
- Emergency/Disaster Temporary Lighting
- Military Base Check Points
- Temporary Lighting
- Remote Area Lighting

### Standard Features

- Maintenance Free Sealed Batteries
- Dusk Until Dawn Operation and Manual On/Off Light Switch
- Various Colors Available
- Up To 25 Years Solar Panel Warranty
- 5 Year Controller Warranty
- 2 Year Battery Warranty

### Lamp Technology

- Available with LED Floodlight
- Available with Compact Fluorescent Floodlight

### Battery Technology

- Sealed Battery(s)
- Maintenance Free
- Long Life of up to 7+ Years

### Benefits

- Completely Quiet Operation
- No Fuel Required
- No Harmful Fumes
- Virtually No Maintenance

# Portable Solar Powered Floodlight



- Portable Floodlights Extended Position



- The Unit Is Designed With Never-Flat Tires For Easy Mobility.



- Portable Floodlight Folded Position.



*“World Leader in Solar Power Sources and Solar Powered Lighting Systems”*

### **System Features**

- 100% solar powered
- Momentary switch activated digital battery voltage display
- Folds to a height of ~5.5 Ft.
- Extends to a height of ~9 Ft.
- Welded aluminum construction, powder coated finish
- Floodlight rotates 360 degrees, also adjusts up/down
- Dusk to dawn run time, field settable run times and manual ON/OFF light switch
- Available in bright white LEDs or bright white fluorescent lamp

### **Solar Panel(s)**

- Tempered glass / tedlar construction for light weight, durable capsule for solar cells
- Multicrystalline or Monocrystalline solar cells
- Rigid aluminum frame
- Completely sealed from moisture
- Twist and hail stone tested
- 25 Year warranty on power output/5 Year warranty on workmanship

### **Battery(s)**

- Sealed lead acid battery(s)
- Maintenance free, non-spillable
- 12 Volt DC
- Amp hours vary depending on system
- Standard 3 Days battery autonomy
- Typical battery operating life up to 7+ years

### **System Controller**

- Solid state solar controller with load (lighting) control- Dusk to Dawn
- Pulse width modulation (PWM) charging
- Low voltage disconnect
- High voltage reconnect
- Regulates battery charging from the solar panel
- 12 Volt DC regulation (some systems regulate 24VDC)
- Typical operating life 15 years

### **System Structure/Battery Enclosure**

- Powder coated aluminum, vented battery enclosure, welded to main frame structure
- Framed structure made of high strength aluminum, welded, powder coated
- Available in any RAL color choice or standard light gray color
- Mast extends and locks into place with stainless steel pin and safety latch
- Never flat wheels for easy movement over rough ground surfaces

**Circuit Protection**

- Fuse block which fuses the solar power input, battery power and light fixture
- System must be fused to protect components from short circuit or surge

**Wires and Hardware**

- Connecting wire harnesses for the battery, solar and light fixture; pre-wired at factory
- System locking pins included for mast piece and solar panel angle adjustment bracket.