Disaster Response Solar Lighting Systems

Portable Disaster Response Solar Light

Solar Powered LED Lighting System with wheeled base for easily transported temporary lighting instead of fuel powered alternatives.

SOL Inc's Portable Disaster Response Solar Light System provides off-grid and reliable solar powered LED lighting for fast deployment and dependable light. Reliable solar lights operate without refueling, starting and logistics required for fuel powered alternatives.

System Details

- Solar energy module is configured to operate the LED light from dusk to dawn every night of the year
- Integrated energy reserve provides five (5) nights of operation in spite of inclement weather
- Intelligent solar light control system with SOL Inc's proprietary aiSUN controller
- LED cobrahead lighting fixture features bright white light to illuminate a 50' x 40' area
- Factory programmed eliminating any field configuration
- All wiring, installation hardware and connectors are provided
- 20 foot embedded Aluminum Schedule 40 pole, predrilled for fast assembly and installation
- Wheeled base assembly to support the solar light and to provide fast and flexible positioning.

Packaging

- One solar light and wheeled base per skid dimensions: 44" x 39" x 30" (l x w x h) weight: 240 lbs
- One pole separately packaged dimensions: 20'x .4' x .4' (l x w x h) weight: 47 lbs.

Model Number for Haiti Operations

PDRL-M01

Description: 100W PV Module, 100Ah Battery, wheeled base, 20' aluminum pole, and all required fastening hardware and wiring.



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Installation Steps

- 1. Assemble PV Module and Support onto the pole
- 2. Slide PV assembly onto the top of pole
- 3. Through-bolt light fixture arm & battery box onto pole
- 4. Connect & secure light fixture to the arm
- 5. Connect PV Module wiring to controller in battery box
- 6. Tilt wheeled base on side and align with pole bottom
- 7. Secure pole to wheeled base with fasteners
- 8. Lift up light system to rest on base
- 9. Rotate solar light fixture to area illuminated
- 10. Ensure solar panel faces south
- 11. Load battery (68 lbs) into battery box and connect wiring
- 12. Press Test Button to verify the light runs

Notice

The portable disaster response solar lighting system from SOL Inc. is intended for temporary site illumination during disaster relief and recovery. The wheeled base and pole assembly for this light system is not rated to withstand hurricane force wind events.

If more permanent lighting is required, SOL Inc. manufactures solar lights engineered to withstand wind events of up to 170 mph.



