

# Sol<sup>®</sup>

Reliable. Renewable. Remarkable.



SOLAR POWERED LED AREA/SECURITY LIGHTING  
*Increasing Safety and Security with Reliable Lighting*

# INCREASING SAFETY AND SECURITY WITH SOLAR LED LIGHTING FROM SOL



Approximately 90% of Africans do not have lighting. A proven solution is solar powered lighting.

## Enhancing lives in the community

- Improves safety
- Improves commercial prosperity
- Increases socialization
- Deters crime and mischief
- Decreases migration from villages
- Reduces accidents, injuries and death

## Leading U.S. manufacturer

Founded in 1990, Sol Inc., a U.S. company, manufactures outdoor solar lighting systems with more than 50,000 systems installed worldwide. Sol's customers include the U.S. military, colleges, palaces, Senegal, Cameroon, Congo, Brazzaville, 12 states in Nigeria and more.

## Why Sol uses LED lighting

- LED lights last a long time (15 years)
- Bright (5,000K) white light increases ability to see clearly at night
- LEDs are highly durable (no bulbs to break)
- LEDs have more lumens/watt
- Energy savings with 50-70% energy reduction compared to HPS
- LEDs turn on and off instantly with no warm-up period

## Features of Sol's solar lighting

- Longest warranty - 10 years on electronics, luminaires, and 20 years on hardware and solar panel
- Designed for tropical locations to maximize energy collection
- Superior brightness - wider spacing of light; lower project cost
- No maintenance on LEDs - reliable long life,
- Multiple nights of back-up energy
- No electrical costs - powered by the sun

## CUSTOMER TESTIMONIAL

*Global Obelisk Group's experience with Sol Inc. has been uniquely pleasant in many ways. First, the technical capabilities of Sol have been largely instrumental in Global Obelisk's success in solar street light projects. Second, Sol's ardent pursuit of utilizing the highest quality components and design has made Global Obelisk's projects a referenced standard in our region that others are mandated to attain. Third, the performance of Sol's solar street lights has been flawless and life changing for the communities that have been privileged to experience them. There is no more challenging environment for testing the quality of an outdoor product than Africa. Sol's solar lights have met and surpassed the daunting tests of an African environment.*

– Gozi M. Osagie, President/CEO  
Global Obelisk Group, LLC.





## WHY SOL LIGHTING?

- Oldest, most reliable manufacturer of solar lighting systems
- Sol provides thousands of lights each year to African nations
- Factory-backed 24/7 technical support and factory-employed technicians
- Manufactured in the United States - ISO 9001:2008 facility

## DESIGNED FOR ENHANCED SECURITY

### SOLAR LIGHTING BENEFITS:

- **Cost-effective:** requires no trenching, cabling or electrical grid connection
- **Easy to install:** minimal technical expertise required; uses click-together plugs
- **Rugged reliability:** robust design is ideally suited for remote, difficult to access locations, or areas that have unreliable or no power supply at all
- **Install and forget:** no scheduled maintenance or servicing for up to five years and no light bulbs to change
- **Vandal resistant:** aluminum hardware and tamper-proof screws
- **Eco-friendly:** Sol uses 100% recyclable gel cell batteries, LEDs produce no CO<sub>2</sub> emissions



# TECHNICAL OVERVIEW OF SOLAR LIGHTING

Sol systems are sized to your location and lighting needs. Our system provide 'intelligent lighting', that reacts to environmental conditions, such as sun hours. The intelligent controller provides energy management and control to maximize battery life and reduce maintenance costs. Too low battery discharge levels are prevented by a Low Voltage Disconnect function, while the charging process is controlled and protected against overcharging.



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