

Dusk - to - Dawn

## ZeroSUN™ TECHNOLOGY

Ground breaking solar controller technology that transfers electricity from solar panels to the batteries and uses that power with the highest degree of efficiency. Operates every night, without the dependency on continuous presence of sunlight. The most cost effective replacement of any outdoor area lighting connected to the grid. Controlled and monitored remotely via LoRa GPRS wireless communication platform.

- Requires no electrical power to operate,
- Temperature compliance: -50C to +55C,
- Reliable and dependable.

Our innovative ZeroSUN™ smart technology has no (Zero) dependency on continuous sunlight and has already been proven in many applications in Canada in areas of limited sunlight. This technology became the foundation of the development of new end exciting products harnessing sunlight to power many different off-grid applications.

### Monitoring and controlling ZeroSun's sytems wirelessly from the convenience of your smartphone:

ZeroSUN™ iCloud GPRS wireless control system provides unparalleled monitoring and systems management real time, around the clock.

The state of the art LoRaWAN communication network is continuously monitoring up to 200 luminaire within a 2.5km radius. With such advanced capability, real time monitoring can detect and identify the location of any system anomaly and service can be dispatched immediately as proactive maintenance to the benefit of the owner of the installation.

The iCloud GPRS control system is secure, safe, easy to work with and reduces costs of installation and maintenance.

The ZeroSUN™ smart technology is compliant with many types of batteries including the latest generation of highly efficient lithium iron phosphate and NCM, allowing an unparalleled level of deep discharge without compromising life expectancy. Combined with the highest quality solar panels and our creative design approach the UPPLANDS ZeroSUN™ systems are now operating in extreme cold environment of -50C and provides virtually limitless opportunities in applications replacing conventional grid power for most area lighting installations.

### Protecting the batteries in extreme cold temperatures:

Our systems provide high quality illumination in regions with extreme cold winter temperatures of -40C and below. The batteries we use are not only designed specifically for low temperature environments but our proprietary designs of protection systems enable the batteries to work with high efficiency and reliably in the harshest Canadian weather conditions.

We offer in-ground mounted battery vaults where theft and vandalism may be of some concerns or insulated enclosures for the batteries and controllers with a thermal module which creates a safe and reliable operating environment for the batteries even in extreme cold weather of -50C.



## Solar EV Chargers



## Off - Grid with AC Boost



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an energy conservation company

Contact Your Local Electrical Distributor:



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- ✓ **Grid Solar Lighting**
- ✓ **Parking Lots**
- ✓ **Pathways**
- ✓ **Billboards**
- ✓ **Security**
- ✓ **Custom Designs**

Quick Reference Guide

# SOLAR POWER & SOLAR LIGHTING

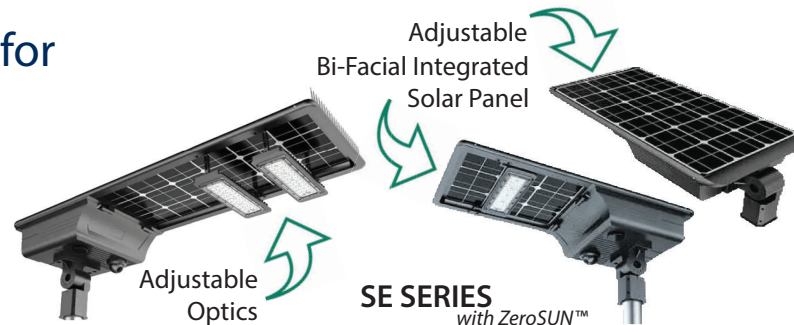




## INTEGRATED MOTION SENSING SOLAR LIGHTING for PARKS, PARKING LOTS, PATHWAYS & STREETS

### SFM SERIES

UE-SFMLT-20WPB  
UE-SFMLT-40WPB  
UE-SFMLT-100WPB



### SE SERIES with ZeroSUN™

UE-SE-20WLT  
UE-SE-40WLT  
UE-SE-60WLT  
UE-SE-80WLT  
UE-SE-100WLT  
Available with  
Advanced IOT Controls



**DECO20 SERIES**  
with ZeroSUN™  
UE-DECO20-PB

**Gotcha!**



## 24/7 Solar Security Monitoring...



### MULTILATERAL SOLAR SECURITY

Powered by ZeroSUN™ the B6C Series solar powered Security Camera is designed for multilateral monitoring with TILT & PAN. The camera can be attached to other products such as; our portable solar lighting systems and mobile solar lighting, or it can be installed as a stand-alone systems.  
B6C-22X



**Oh, oh!**



### DECORATIVE SOLAR POST TOP LIGHTING

Esthetically revealing design, ideal for parks, pathways, streets, gardens, marinas, golf courses, vineyards and much more. Totally off-grid, plug and play installation.

Available in a 30W configuration with 9-12 ft decorative base-mount pole options.

UD30W-A-D01	Pole Type A - Art
UD30W-R-D01	Pole Type R - Romantic
UD30W-A-D02	Pole Type A - Art
UD30W-R-D02	Pole Type R - Romantic
UD30W-A-D03	Pole Type A - Art
UD30W-R-D03	Pole Type R - Romantic
UD30W-A-D04	Pole Type A - Art
UD30W-R-D04	Pole Type R - Romantic
UD30W-A-D05	Pole Type A - Art
UD30W-R-D05	Pole Type R - Romantic

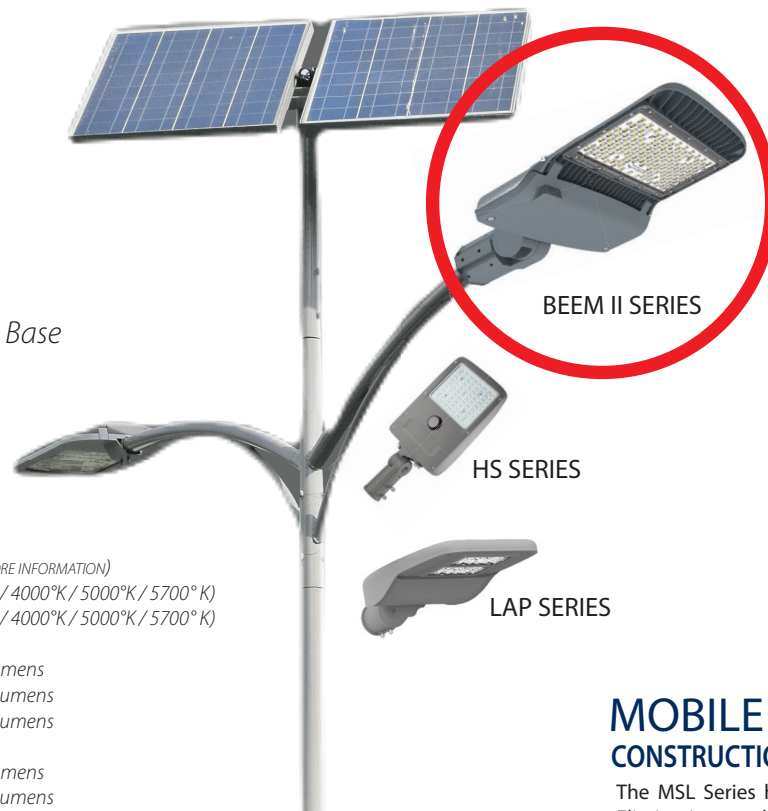
### SOLAR STREET LIGHTING

BEEM II SERIES 100W & 150W (or LARGER - CONTACT US FOR MORE INFORMATION)  
UE-BEEMII-100W 13000L CCT SELECTABLE (3000°K / 4000°K / 5000°K / 5700°K)  
UE-BEEMII-150W 19500L CCT SELECTABLE (3000°K / 4000°K / 5000°K / 5700°K)

UE-HS30W 12V	12V/80W SOLAR PANEL - 3900 Lumens
UE-HS40W 12V	12V/100W SOLAR PANEL - 5200 Lumens
UE-HS50W 12V	12V/120W SOLAR PANEL - 6500 Lumens

UE-033ZS-LAP30W	12V/60W SOLAR PANEL - 4200 Lumens
UE-033ZS-LAP60W	12V/100W SOLAR PANEL - 8400 Lumens
UE-033ZS-LAP80W	12V/120W SOLAR PANEL - 11200 Lumens

Optional  
Auger Pole Base



HS SERIES

LAP SERIES

BEEM II SERIES

### INDUSTRIAL FLOOD LIGHTING with ZeroSUN™



ZA-HT20W 12V  
ZA-HT40W 12V  
ZA-HT50W 12V

12V/60W SOLAR PANEL - 2600 Lumens  
12V/100W SOLAR PANEL - 5200 Lumens  
12V/120W SOLAR PANEL - 6500 Lumens

### PARKS, CANOPY AND SHELTER SOLAR LIGHTING



ZS-X3000 24W 3000L 3.5X3.5X35" 60W-18V PANEL  
ZS-X4200 36W 4200L 3.5X3.5X35" 80W-18V PANEL



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### MOBILE SOLAR LIGHTING CONSTRUCTION SITES, QUARRIES, MINES...

The MSL Series has been built for the most demanding applications. Eliminating costly diesel generators including air and noise pollution. No more costly refueling and frequent maintenance. Constant lighting in any weather, designed for harsh conditions, no electricity required. 4 or 5.5m Telescopic Tower.

Available in 2 X 50W or 2 x 100W FLOOD LIGHT configurations.

MSL250 2 X 7000 Lumens Flood Lights  
MSL2100 2 X 15000 Lumen Flood Lights

