

ZeroSUN™ Smart Solar Lighting



ALL WEATHER SOLAR LIGHTING - "Weeks of light without SUNSHINE"



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Super high efficient Smart Controller technology for weeks of continuous lighting without sunshine.
Intelligent system with real time monitoring of daily battery charge levels.

Warranty 5 Years

The fundamental difference between conventional AC grid voltage powered lighting and Solar powered lighting is the solar system's dependency on battery power. UPPLANDS patent pending ZeroSUN™ controller was developed specifically for extending the discharge cycle of the batteries and providing continuous lighting under any weather condition thus eliminating the absolute dependency on repeated sunny days.

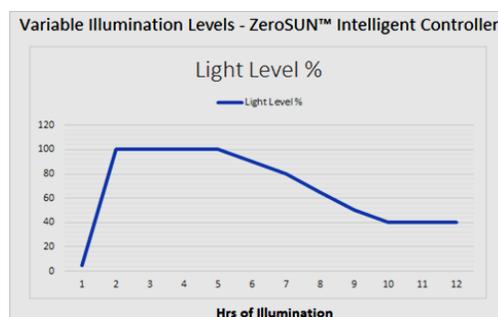
Based on the lighting requirements select one of the following models:

"A" Type - SMART MODE - automatic power correction based on weather conditions

Ideal for those applications where maintaining full power all night is not required.

SMART MODE:

Pre-programmed for continuous dusk to dawn lighting. Light levels are adjusted as per the daily charge of battery capacity: 100% for 4.5 hrs, followed by continuous dimming of 10% each hour to 40% minimum, until dawn. In the event of several days of weather without sunlight the Controller enters into the energy saving mode and adjusts the 100% light level slightly downward based on the battery charge capacity available for two consecutive nights of lighting. The super efficiency of the ZeroSUN™ controller is capable of recharging the battery after only a couple of hours of sunny weather to the level of full brightness at dusk.



"M" Type - USER DEFINED

User programmable for time specific dimming periods.

An efficient way of conserving battery charge capacity is to set the default light levels at dusk substantially lower than full power. When sensor detects motion, light level will increase as required. The controller requires an IR remote programmer to select one of the following

Light Modes:

MOTION SENSOR MODE

Using the IR remote programmer, set up to four time period based lighting modes using the motion sensor mode. Define the post sunset elapsed time when the application allows the use of lower light levels. User selected higher light levels switched on by the Motion Sensor. Light level selection shall be programmed by entering the required current values.

SMART MODE: Same as A model above

PROGRAMMABLE DIMMING MODE

Four (4) time period specific power level settings allowing to program variable light levels for each time period. Infrared (IR) remote programmer is included.

Consider battery charge longevity, when selecting any of the four light modes.

Light level selection shall be programmed by entering the required current values.



Available ZeroSUN™ "A" and "M" type solar light models using the highest quality components:
30W; 50W; 80W; 100W and 150W

Applications - Off-Grid Lighting

General Area Lighting for roadways, and remote locations

Municipal parks and playgrounds,

Sign and billboard lighting

Farms, agricultural sites

Campgrounds,

