

# SOLO ADVANCED SOLAR OFF-GRID LIGHTING SOLUTION

**ecosolar**<sup>TM</sup>  
A DIVISION OF **ecopower**



## INCLUDES

- EcoPOLE
- PV Solar Panel & Mounting
- LED Area Light
- Battery
- Panel Battery Box
- Controller

## OPTIONS

- 80/100/150w PAL Premium LED
- Pole-mounted battery box
- Hi/Lo PIR Sensor Preconfigured
- 100% Uptime\*\*
- Clear Blue Remote Access Monitoring

## ADVANCED FEATURES AND EXPANDED FUNCTIONALITY.

Customizable and versatile, the SOLO Advanced can be engineered to meet any project and offers the choice of a variety of decorative and functional luminaires, and the option of including Clear Blue Illuminance Smart Off-Grid Monitoring for remote access and control.

### ECOPOLE SPECIFICATIONS

Construction	Steel or aluminum
Colour	Powder coated black or bronze standard; bare metal or galvanization optional
Certifications	Engineered to meet EPA load and AASHTO requirements w/1.3 Gusts , fabricated to N.A. windload standards
Warranty	10 Year

### PV SOLAR PANEL SPECIFICATIONS

Size	Sized to load profile
Mounting	Pole solar mount racking (pole match plate, centre plate and PV framing)
Certifications	Certified to CSA UL standards for installation in N.A.

### LED AREA LIGHT SPECIFICATIONS

Wattage	Compatible with any LED fixture, DC or AC. Recommended for use with the EcoLED 30/50/70/90w LED area light; or 80/100/150w PAL Premium Area Light
Certifications	CSA certified to UL standards for installation in N.A.
Warranty	6 Year Warranty on EcoLED fixtures

\*\*100% Uptime requires CBT Illuminance integration

The full assembly is fabricated to meet N.A. wind load and engineering standards

### BATTERY SPECIFICATIONS

Type	Batteries (2 – 110AH LAG)
Accessories	Battery, Controller and Light cabling, prewired, inline quick connects
Housing	Battery box, pole mounted NEMA4X aluminum or stainless steel optional painted black
Certifications	UN/DOT 38.3 5th Edition, Amendment 1 – Recommendations on the Transport of Dangerous Goods, certified to UL CSA standards
Warranty	2 Year Warranty on Battery

### CONTROLLER SPECIFICATIONS

Sensor	Preconfigured Occupancy/Daylight Sensor (PIR integrated with MPPT PWM controller)
Housing	Housed with batteries to monitor temperature; PIR sensor embedded in lighting fixture
Cabling	Remote cabling provided

### CLEAR BLUE GENIUS +CLOUD CONTROLLER (OPTIONAL)

Sensor	Occupancy/daylight sensor
Probe	1 standard - 1.3m temperature probe
Assembly	Full pole assembly - cell (antenna, 7m cable, mounting bracket, hardware)
Accessories	Includes the smart controller, built-in communications network, Illuminance cloud monitoring control and alarm system

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A Canadian  
Manufacturer

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