

SOLO GENIUS SOLAR OFF-GRID POWER STATION

ecosolarTM
A DIVISION OF **ecopower**



INCLUDES

- EcoPOLE
- PV Solar Panel
- LED Area Light
- Batteries
- Panel Battery Box
- Cloud Control
- Clear Blue Smart Off-Grid Monitoring

OPTIONS

- 80/100/150w EcoLED PAL LED Premium Area Light
- Remote Proactive Cloud Control
- WiFi Hotspot
- TeleCOMM Off-grid Remote Power Station
- IoT Off-grid Power Station
- GridConnect & Off-grid Dual Capable

The pinnacle of the SOLO line of off-grid solar solutions, the Genius is more than a mere smart pole - it is an off-grid power station that provides the energy necessary to power an impressive array of optional sensors and controllers, all of which can be transmitted wirelessly and monitored remotely.

ECOPOLE SPECIFICATIONS

Construction	Steel or aluminum
Colour	Powder coated black or bronze standard; bare metal and galvanization options
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 (typically 50w solar)
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 800/100/150w PAL Premium Area Light by EcoLED (other decorative luminaires available)
Certifications	CSA certified to UL standards for installation in N.A.
Warranty	6 Year Warranty on EcoLED fixtures

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

BATTERY SPECIFICATIONS

Type	Unlimited kWh storage
Accessories	Battery, Controller and Light cabling, prewired, colour coded connectors
Load Support	Supports continuous loads in excess of 1000Wh continuous load (3.8kW peak power) and typically replaces generators up to 10kW
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

CLEAR BLUE SMART OFF-GRID MONITORING

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, Illumience cloud monitoring control and alarm system

OPTIONAL POLE-MOUNTED BATTERY BOX

Construction	NEMA4X stainless steel
Sizing	Accommodates up to 4 batteries, different types
Housing	Controllers, relay station, power bus station for wi-fi/ telecom power stations

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