



Solectric™ Shed-Pak

We combined Solectric™ Eco-Lights with a solar battery charging system for a 100% renewable energy solution. We call these integrated systems Solectric™ Eco-Paks. These solar powered packages combine our high efficiency LED lights with the ability to store power for use when the system is not producing electricity such as during the night or during blackouts. Solectric™ Eco-Paks can be configured in a variety of different ways depending on your needs.

The Solectric™ Eco-Paks are the perfect solution for your occasional lighting needs in any remote structure such as sheds, barns, workshops, garages and cabins. They are easy to install and can save you hundreds of dollars in permit fees and electrician costs for running AC power to your remote building.

Features & Benefits

- The Solectric™ Eco-Paks are a cost effective way to get into solar.
- Long lasting solar PV and LED lighting technologies.
- Battery charging system for storing solar power for night time or emergency use.
- Recharged by solar panel, meaning no fuel, no pollution and no noise from gas-powered generators.
- Easy to install
- Comes in a convenient kit or we can design a custom system to suit your needs.
- Designed and built in the United States of America.



Solectric™ LED Lights utilizes proprietary Smart DC™ power technology. This allows Solectric™ LED Lights to use any DC power source from 12V to 24V, including solar power (direct drive), battery and AC adapters.

Solectric™ Shed-Pak

Part Numbers: RC45001



Technical Specifications:

- Eco-Light 650 fixture, 20 watt PV solar panel (26" x 12" x 1")
- Charge controller (5 Amp with load control with over discharge protection)
- Battery (12V, 7 Ah sealed lead acid)
- 33 feet of wire
- Mounting brackets and hardware



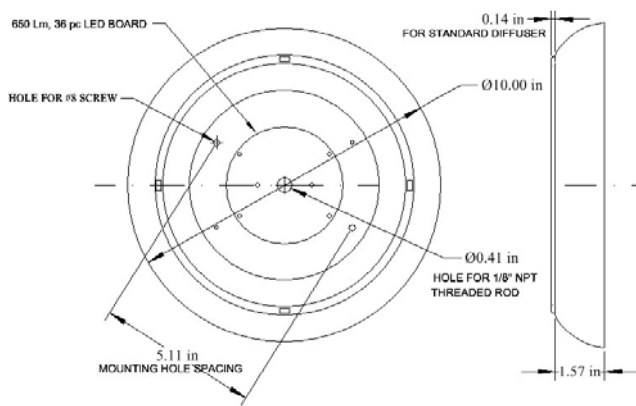
Solectric™ LED Lighting Systems

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Solectric™ Shed Pak 650 Kit (RC45001)

High Efficiency LED Light - 650 Lumens, 7 Watts



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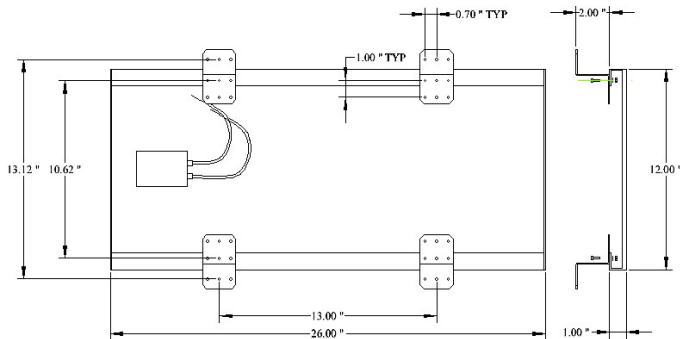
LED Board: 36 high brightness SMD LED modules with efficiencies up to 100 Lm/Watt. Aluminum clad PC board material for superior thermal management.

Electronics: High efficiency, constant current output LED driver board. Accepts wide range on input voltages from 11.5 V to 24 V for full brightness, 11 V to 8 V for dimming. Can be powered by solar panel, battery or 12V AC adapter. Can also be powered by combined solar panel and 12 V AC adapter (Solar Boost) to maintain full brightness throughout the day while utilizing all available solar power.

Housing: Thick gauge aluminum stamping serves as high performance heat sink to maximize life of LED's. White powder coat for maximum durability. Hole for a 1/8" NPT threaded rod. Made in the USA.

Diffuser: Acrylic with diamond pattern.

20 Watt Solar Panel



Solar Panel: 20 Watts STC power @ 1.15A, 17.4V. High transparency, low iron, tempered glass. Sturdy aluminum frame, fully sealed from moisture. Weight = 5.5lbs.

Wire: 18 GA stranded copper, 2 conductor. UL listed. Approved for use in ducting (HVAC or ventilation).

Mounting System: Aluminum Z brackets raise the solar panel 2" above roof surface, allowing for air circulation under the panel. This results in cooler solar cells and higher power.

Hardware: Zinc chromate or black oxide steel fasteners. Plastic wire nuts and drywall anchors.

Charge Controller & Battery



Charge Controller: 5 Amp, high efficiency PWM charging with boost, recovery and float modes. Load control with over discharge protection.

Battery: 12V, 7 Ah Sealed Lead Acid 2 Amp max discharge rate.

The kit includes: 1 LED light, solar panel, charge controller, battery, wire and mounting brackets.