

S5L5-L : 5A Solar Lighting Controller by Eco Energy



Price: CAD \$89.99

SKU: EES5L5-L

Product Categories: [Charge Controllers](#), [PWM : 4A-9A](#), [Shop](#)

Product Tags: [charge controller](#), [eco energy](#), [Lighting](#), [lighting controller](#), [regulator](#), [S5L5-L](#), [S5L5-L canada](#), [signs](#), [solar charge controller](#), [solar lighting controller](#)

Product Page:

<https://www.modernoutpost.com/product/s5l5-l-5a-solar-lighting-controller-by-eco-energy/>

Product Summary

Introducing the S5L5-L, a 5A Solar Lighting Controller by Eco Energy. This tiny PWM controller can be factory programmed for any lighting interval you wish. Turn lights on or off, or simply run dusk to dawn. Ideal for farm outbuildings, sheds, signage, hazard signals, beacons, and more.

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Solar Input : 5 Amps

Use any solar panel(s) up to 100W / 12V nominal (ie 18V on the label is typical)

Lighting Load : 5 Amp

Connect up to 60W of lighting

12 or 24 Volts

Flexibility for using a 12V or 24V battery bank

Flashing Beacon Option

Great for signalling systems

Solar Clock

Automatically adjusts to time of day at different times of the year

Can be factory set to turn load on / off at certain times or dusk to dawn.

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S5L5-L Features

3 stage PWM charging with float mode Tiny self-consumption

Temperature compensation Fully encapsulated in epoxy potting

Manufactured with solar power Designed and built in North America 5 year warranty

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S5L5-L Electrical Specifications

Voltage configurations : 12 or 24 volts (custom voltages from 6 to 36 volts) Self Consumption : 0.2 mA at night, 0.6 mA daytime standby, 2.5 mA when charging Maximum Voltage Input : 25 volts (12V System), 50 volts (24V System) Maximum Charging Current : 5 Amps DC (use with up

to 100W solar modules)

Typical charging set points...

Bulk: 14.4 Volts, Float: 13.6 Volts, temperature compensated

Suitable for Lithium LiFePO4

Custom voltage settings can be requested to match any battery system

Regulation method Pulse Width Modulation (PWM), Positive side switching Maximum load current 5 Amps DC Typical load set points 13.0 Volts On: 12.0 Volts Off, 60 seconds at or beyond setpoint (custom voltages available) Options

Temperature compensation off

Custom voltage setpoints

Custom wire lead lengths

Lithium battery protection (no charging below 4°C)

S5L5-L General Specifications

Temperature range -40°C to 50°C / -40°F to 120°F

Case ABS case, completely sealed in epoxy

Weight 100 grams / 3.5 oz.

Size (H x W x D) 5.1 x 5.1 x 3.8 cm / 2 x 2 x 1.5 in. (3 inches wide with the tabs)

Wire 18 AWG, 15 cm / 6 in.

Solar Indicator LED : 3 flashes charging, 2 flashes at Bulk Voltage, 1 flash in Float Mode

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: .4 kg