

## Steca PR-1010 Solar Charge Controller



Price: CAD \$185.00

**SKU:** SXSTECAPR1010

**Product Categories:** [Charge Controllers](#), [PWM >20A](#), [PWM <20A](#), [Supply](#)

**Product Tags:** [10a](#), [canada](#), [controller](#), [pr-1010](#), [pr1010](#), [regulator](#), [solar](#), [solar charge controller](#), [solar controller](#), [solar regulator](#), [Steca](#), [Steca PR-1010](#)

**Product Page:**

<https://www.modernoutpost.com/product/steca-pr-1010-solar-charge-controller/>

### Product Summary

The Steca PR-1010 is designed to handle up to 10A of solar array power in 12V or 24V systems. Features PWM multi-stage charging, load control, and LCD status display.

The Steca PR charge controllers have been proven their effectiveness for over 10 years, employing fifth generation charge controller technology.

### Product Description

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display.

The Steca PR charge controllers have been proven their effectiveness for over 10 years, employing fifth generation charge controller technology (up to 720 Wp). This high class state of the art controller features LCD display, and integrated circuit control based on a self learning algorithm.

Steca PR-1010 Key Features...

- Micro-controller based, multistage, temperature compensated charging using PWM / Shunt control - State of Charge (SOC) Control with unique Steca-AtonIC and Data Logger for optimum charging - Automatic detection of 12V / 24V battery - Simple menu driven operation through graphical LCD display - Displays charged and discharged energy in Ampere Hours - Lower EMI - ideal for telecommunications

Steca PR-1010 Specifications...

Input: 12V/24V

Amps:10 Amps

Weight 0.36Kg / 0.8 lbs

Dimensions 18.7 x 9.6 x 4.4cm / 7.36 x 3.78 x 1.73"

Warranty 2 Year Limited

Battery System...

Nominal Voltage : 12V/24V (Automatic Detection)

Battery Types : Lead Acid (Flooded / AGM / Gel)

Solar Array...

Max Open Circuit Voltage : < 47V

Max Short Circuit Current at 25°C : 30A

Controller Characteristics...

Type : Shunt, PWM

PWM Frequency : 30 Hz

Self Consumption : 12.5 mA

Display : Graphical LCD Display for Operating Parameters, Fault Messaging & Self Test

Temperature Compensation : -4m V per K and cell (internal sensor)

Grounding : Common Positive Grounding. Negative Grounding only on Battery Negative

Final Charging Voltages...

Boost (FOR 2 HOURS) 14.4V (28.8V) 14.4V (28.8V) 14.4V (28.8V) 14.4V (28.8V)

Float Liquid Electrolyte: 13.9V (27.8V) / Gel Cell: 14.1V (28.2V)

Equalization (FOR 2 HOURS) Liquid Electrolyte: 14.7V (29.4V) / Gel Cell: No Equalization

30 Day Maintenance (2 HOURS) Liquid Electrolyte: 14.7V (29.4V) / Gel Cell: 14.4V (28.8V)

Load Control...

Max Load Current at 25°C : 10A

Low Voltage Disconnect : SOC Mode: < 30% / Voltage Control Mode: 11.1V / 22.2V

Low Voltage Reconnect : SOC Mode: > 30% / Voltage Control Mode: 12.5V / 25.0V

Safety Circuitry...

Automatic Reset & Electronic Fuse

- Reverse Polarity of Solar Array / Load / Battery Connections
- Short Circuit at Solar Array Input / Load Output
- Over Charge, Over Load, Over Input Voltage and Over Temperature
- Deep Discharge / Under Voltage
- Reverse Current Flow from Battery to Solar Array at Night
- Excessive Solar Array Current
- Open Circuit (Battery is Not Connected)

Input/Output Connections...

Max Terminal Wire Size : 16mm<sup>2</sup> / 25 mm<sup>2</sup> or AWG #6 / AWG #4

EMC Compliance : CE Marked

Environmental...

Operating Ambient Temperature : -10°C to 50°C / 14°F to 122°F

Ingress Protection : IP32

Document Downloads...

[Spec Sheet](#)

[Manual](#)

## Product Attributes

- Dimensions: N/A
- Weight: 0.9 kg

## Product Gallery

