

# Maintainer 10 Solar Trickle Charger by Goal Zero



**Price: CAD \$129.00**

**SKU:** GZMAINTAINER10

**Product Categories:** [36-Cell : Off-Grid](#), [Boats & Yachts](#), [On The Road](#), [On The Water](#), [RV & Van Systems](#), [Solar Modules](#), [Supply](#)

**Product Tags:** [10 watt](#), [10w](#), [32202](#), [canada](#), [goal zero 32202](#), [goal zero maintainer](#), [maintainer 10](#), [maintainer 10 canada](#), [solar](#), [solar panel](#), [solar trickle charger](#), [trickle charger](#)

**Product Page:** <https://www.modernoutpost.com/product/maintainer-10-solar-trickle-charger-by-goal-zero/>

## Product Summary

This is the Maintainer 10 solar trickle charger by Goal Zero. Any boat, RV, or cabin owner who appreciates the cost of their battery bank will have one or even two of these, because battery drain in the off season can be an expensive proposition. You spent hundreds, or more likely, thousands of dollars on your battery bank. Keep it healthy during its downtime by maintaining its state-of-charge.

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The Maintainer 10 Trickle Charger is specifically engineered to be an all-in-one solar solution to keep 12V batteries preserved when not in use, like those found in motorcycles, cars, boats, tractors, off-road vehicles, cabins, etc. Unlike basic solar trickle chargers you find at the box store, The Maintainer 10 includes an in-line regulator so you never have to worry about over-charging and discharging. The Maintainer 10 is built to withstand the elements with tempered glass and a durable aluminum frame.

**Parasitic Drain & Idle Self-Discharge Threats**

You've turned everything 'off' in the vehicle or building. Pulled the fuse, or threw the breaker. The battery is charged.

Should be good to get you through the winter storage season. Right?

Maybe.

And, is that good enough for the long-term health of your expensive battery system?

Standard lead-acid batteries will lose +/-10% of their energy each month while stored. That's just a fact of chemistry. That means a healthy battery will be somewhere near 60% SoC by the time you get back to it in the spring. Add the fact that a cold battery exhibits a lower capacity, and a discharged battery is less able to tolerate freezing temperatures. When good deep cycle lead-acid batteries cost upwards of \$400 each, why not add a little winter insurance to maintain the health of your system? The Maintainer 10 is the answer.

By the math, a bank of four typical deep cycle golf cart batteries will self-discharge at the rate of approx 480 Watt-Hours per month, or 16 Watt-Hours per day. When you only get 0.5-1.5 peak-sun hours per day through the winter months, only a 10-Watt solar trickle charger will be able to provide the necessary maintenance charge in this situation.

That's why the little 2 Watt solar trickle-charger at Canadian Tire is on sale all the time... it can't do the job!

Maintainer 10 Features...

- Complete plug-and-play battery protection. In-line charge controller never over-charges.
- High-efficiency monocrystalline panel.
- Removable suction cups and durable loops for quick attachment and easy installation.
- Long lasting battery connectors.
- Durable, weatherproof construction. Tempered glass and aluminum frame to withstand the elements.

Maintainer 10 Specifications...

- Solar Port (6mm): 14-15V, up to 0.7A (10W max)
- Charge Controller: Built-in PWM Lead-Acid controller with 3 charging stages: bulk, absorb, float
- Weight: 2.9 lbs (1.3 kg)
- Dimensions: 16 x 12.25 x 1 in (40.6 x 31.1 x 2.5 cm)
- Certs: CE, FCC, ROHS
- Warranty: 12 months

## Product Attributes

- Dimensions: 1 &times; 1 &times; 1 cm
- Weight: 2.9 kg

## Product Gallery



