

## Tigo TS4-A-O : Solar Module DC Optimizer



Price: CAD \$69.99

**SKU:** TIGO-TS4AO

**Product Categories:** [DC Optimizers](#), [Inverter Installation](#), [Inverters](#), [Shop](#)

**Product Tags:** [canada](#), [Monitoring](#), [optimization](#), [rapid shut down](#), [rsd](#), [tigo](#), [tigo canada](#), [tigo ts4](#), [tigo ts4-a-o](#), [ts4](#), [ts4-a-o](#), [ts4-a-o canada](#)

**Product Page:**

<https://www.modernoutpost.com/product/tigo-ts4-a-o-tigo-ts4-a-o-solar-module-optimization/>

### Product Summary

This is the Tigo TS4-A-O solar module DC optimizer unit. It clips to the back of your solar module and provides advanced functionality including: Output power optimization, performance monitoring, & rapid shutdown compliance (when used with an approved RSD system). Improve energy efficiency by upgrading

underperforming PV systems or adding smart features to new installations. The TS4-A-O supports PV modules up to 500W.

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Now you can design systems using unequal string lengths and mixed orientations. Install with modules in shaded areas with a reduced setback ratio. Optimize only where needed with selective deployment.

### TS4-A-O Advantages

Shade and module mismatch tolerance

Maximized roof usage

Enhanced energy yield

Plus all the benefits of Safety and Monitoring

Greater design flexibility

### TS4-A-O Features

- Module-level optimization for increased energy yield and greater design flexibility
- Enhanced safety for NEC 690.12 rapid shutdown compliance
- Module-level monitoring for energy production tracking and system management

### TS4-A-O Specifications

#### **Environmental**

Operating Temperature Range -40°C to +85°C (-40°F to +185°F)

Outdoor Rating IP68, NEMA 3R

## **Mechanical**

Dimensions : 138.4mm x 139.7mm x 22.9mm

Weight : 520g

## **Electrical**

Total Max Input Voltage

(VOC @ Lowest Temperature) : 90V

Voltage Range : 16 - 90V

Maximum Current : 12A

Maximum Power : 500W

Output Cable Length : 1.2m (standard)

Connectors : MC4 (standard)

Communication : Type Wireless

Rapid Shutdown : UL Listed

(NEC 2014 & 2017 690.12) : Yes

Recommended fuse rating : 15A

Tigo Document Downloads

## Datasheet

 [Datasheet\\_Tigo\\_TS4-A-O-NorthAmerica-700W-2023](#)

## Installation Manual

 [Installation\\_Manual\\_Tigo\\_TS4-D-M-S-O-L-CCA-TAP\(UL\)](#)

## Quick Guide

 [Quick\\_Start\\_Guide\\_Tigo\\_TS4-A-O](#)

## Warranty PDF

 [Warranty\\_Tigo\\_Product-Warranty-March-2020](#)

## App Note

## [Troubleshooting\\_Guide\\_Tigo\\_TS4-F.TS4-R-F.TS4-A-F.RSSTransmitter](#)

### Product Info

#### [Catalog\\_Tigo\\_Rapid-Shutdowns-Solutions](#) **Rapid Shutdown Notes...**

The Tigo TAP is required for rapid shutdown and the Tigo CCA is required for monitoring with this TS4-A-O unit.

Photovoltaic Rapid Shutdown Equipment NEC 690.12 and C22.1-2015 Rule 64-218

This rapid shutdown system is required to be connected to an automatic system which initiates rapid shutdown upon the activation of the AC system disconnect.

### Product Attributes

- Dimensions: 1 &times; 1 &times; 1 cm
- Weight: .55 kg