



# **TS4-A-O**

## Module-level PV Optimizer

The TS4-A-O (Optimization) is the advanced add-on optimization solution that brings smart module functionality to standard PV modules for higher reliability. Improve energy efficiency by upgrading underperforming PV systems or adding smart features to new installations.

Complies with 2017 and 2020 NEC rapid shutdown requirements.

The TS4-A-O add-on supports PV modules up to 700W.

#### **Included Features**



Module-level **optimization** for increased energy yield and greater design flexibility



Manual or automatic module-level **shutdown.** Complies with NEC 2017 and 2020.



Module-level **monitoring** for energy production tracking and system management

### **Easy Installation**

Snap to standard module frame or remove brackets for rack mounting

### **Smart Commissioning**

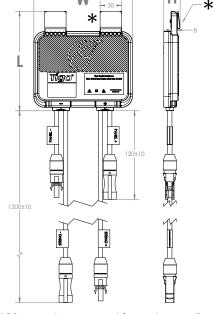
Configure and commission with your Android or iOS mobile device



08/18/21 PSD-00015-00

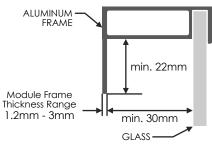
### **TS4-A-O SPECIFICATIONS**

Environmental	
Operating Temperature Range	-40°C to +70°C (-40°F to +158°F)
Outdoor Rating	IP68
Maximum Elevation	2000m
Mechanical	
Dimensions	W=138.4mm, L= 139.7mm, H= 22.9mm
Weight	520g
Electrical	
Total Max Input Voltage (V <sub>oc</sub> @ Lowest Temperature)	80V
Voltage Range	16 - 80V
Maximum Current	15A
Maximum Power	700W
Cable Length (in/out)	0.12/1.2m (standard), 0.62/1.2m (optional)
Connectors	MC4, EVO2
Communication Type	Wireless
Recommended Fuse Rating	30A



\*Clips can be removed for rack mounting

Module frame specifications for mounting TS4-A



TAP required for module-level shutdown and CCA required for monitoring with TS4-A-O.

### ORDERING INFORMATION

Standard	Description
461-00252-32	1000V TÜV, 1.2m cable, MC4
461-00261-32	1500V TÜV, 1.2m cable, EVO2
Options	Description
Options 461-00252-62	Description 1000V TÜV, 0.62/1.2m, MC4







#### For sales info:

sales@tigoenergy.com

#### For product info:

Visit tigoenergy.com/products

#### For technical info:

Visit support.tigoenergy.com

For additional info and product selection assistance, use Tigo's online design tool at <a href="mailto:tigoenergy.com/design">tigoenergy.com/design</a>



