



Tigo TS4-A-O Optimizer Module User Guide

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Tigo TS4-A-O Optimizer Module



The TS4-A-O is the advanced add-on solution that brings smart module functionality to standard PV modules, including optimization, rapid shutdown, and module-level monitoring.

Maximum power: 700W

Maximum voltage: 80VDC

Maximum current: 15ADC

Maximum system voltage 1000V / 1500V

POINTS



*Collect TS4 QR code for system mapping to enable monitoring and safety features

1. PV Module –
2. String –
3. String +
4. PV Module +

Use ANSI/NFPA 70 wiring methods.

Modules must not be installed in readily accessible locations. (Canada only) Connectors from different manufacturers cannot be mated with each other.

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

The Tigo Access Point (TAP) is a PVRSE device that provides a keep-alive signal to the TS4 (attenuator) device via wireless communications.

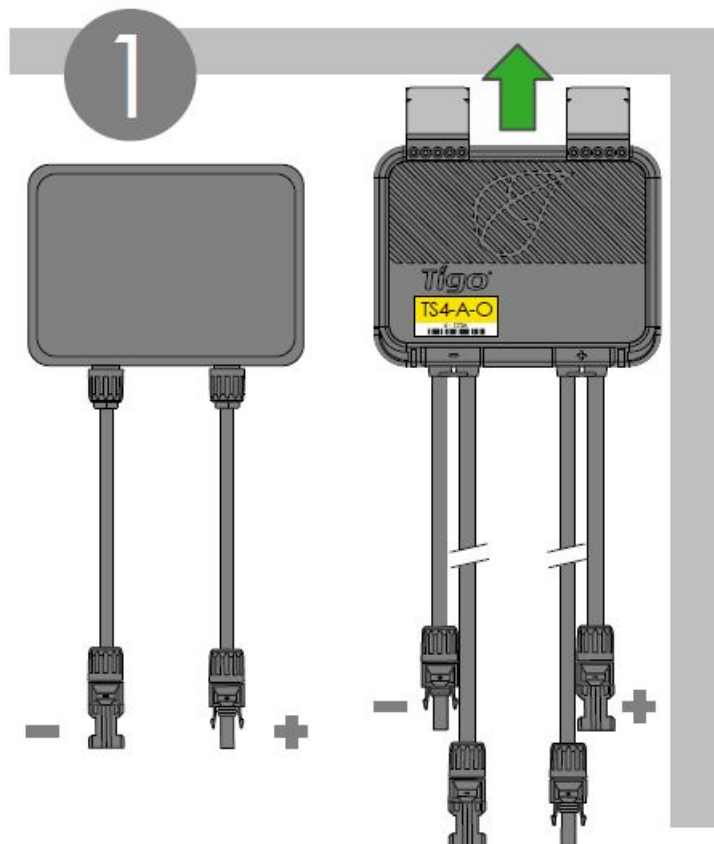
The Tigo Access Point (TAP) shall be powered from the same power as the RSI (Rapid Shutdown Initiator) circuit and tied to the shutdown of the inverter.

IMPORTANT NOTICE

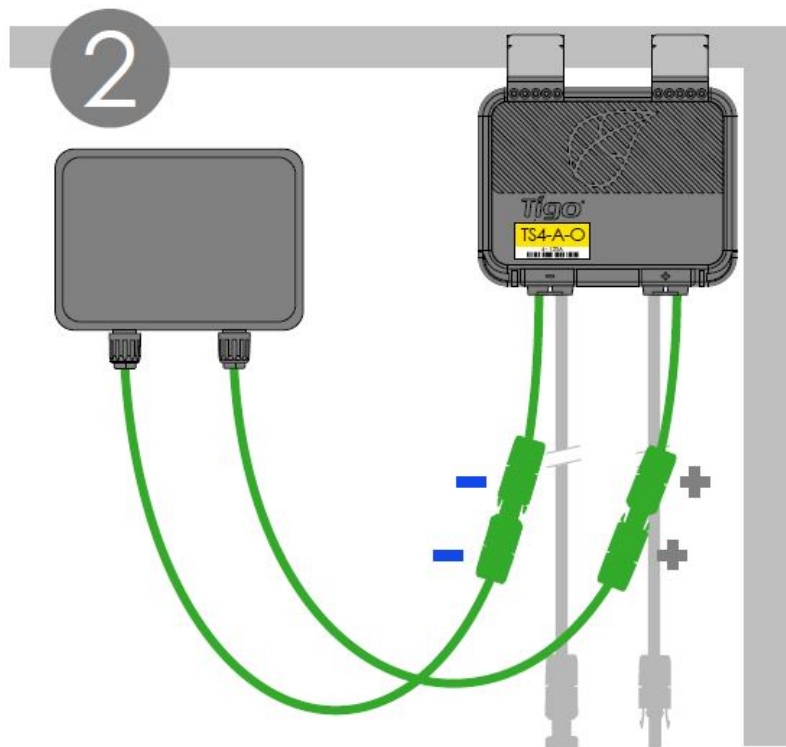
Electricity will be supplied to the Tigo TS4-A output cables immediately when connected to a PV module exposed to sunlight. Use care when handling.

INSTALLATION

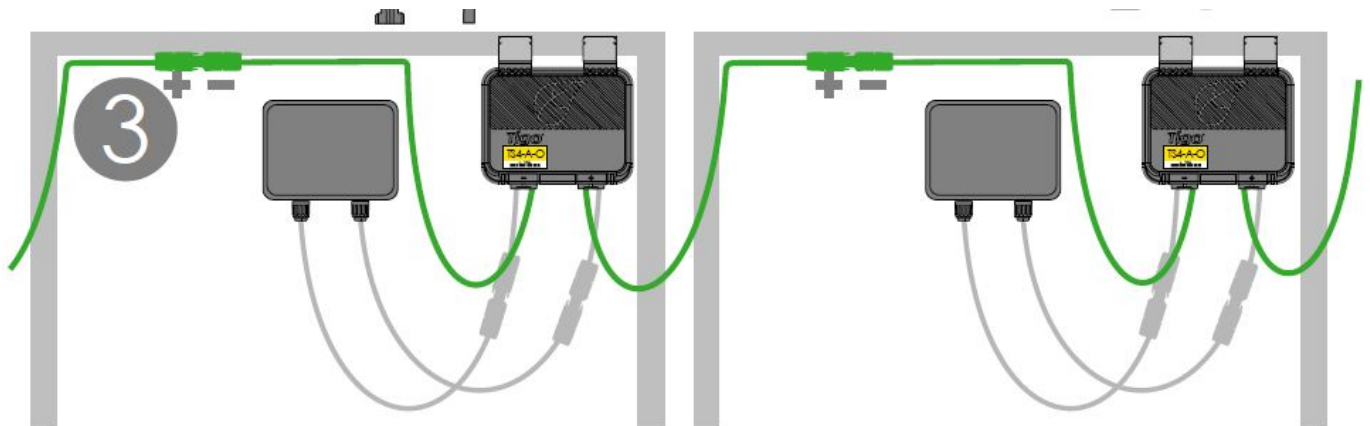
STEP 1



STEP 2



STEP3

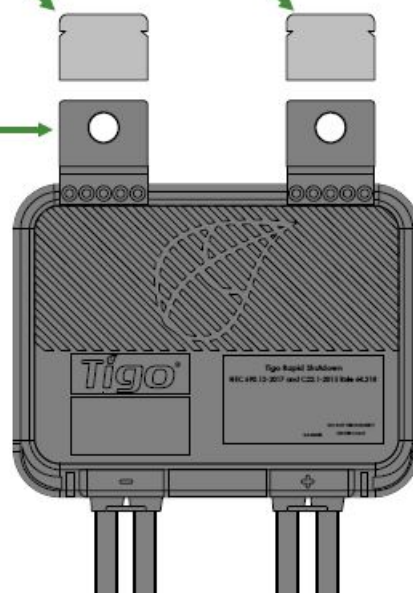


Note: When installing TS4-A, connect the input cables to the PV module before connecting the TS4-A output cables in series.

If disconnecting TS4-A, disconnect the TS4-A output cables from the string before disconnecting the input cables from the PV module.

Removable clips

Mounting holes (M8)



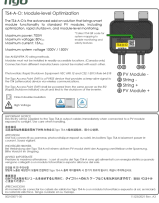
For installation with frameless modules, remove metal clips and bolt TS4-A to rail.

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Documents / Resources

	Tigo TS4-A-O Optimizer Module [pdf] User Guide TS4-A-O, Optimizer Module, TS4-A-O Optimizer Module
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