



Tigo TS4-A-O Module-level Optimization Instruction Manual

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TS4-A-O Module-level Optimization Instruction Manual



TS4-A-O: Module-level Optimization

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TS4-A-O Module-level Optimization

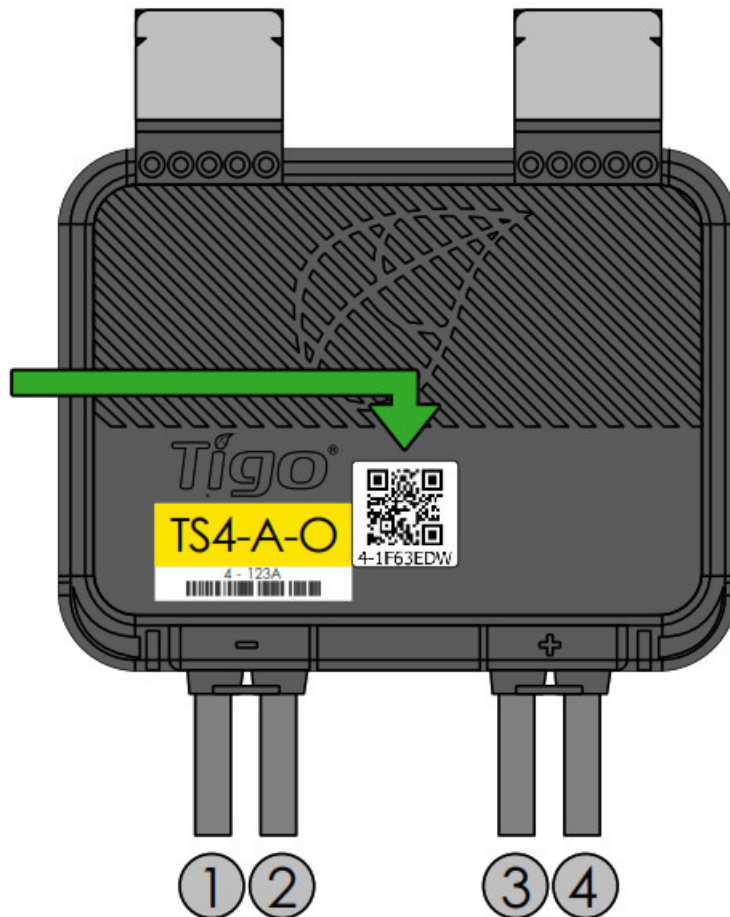
The TS4-A-O is the advanced add-on solution that brings smart module functionality to standard PV modules, including optimization, rapid shutdown, and module-level monitoring.

Maximum power: 700W

Maximum voltage: 80VDC

Maximum current: 15ADC

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



1 PV Module String

2 String –

3 String +

4 PV Module +

Maximum system voltage 1000V / 1500V

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

The Tigon 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.



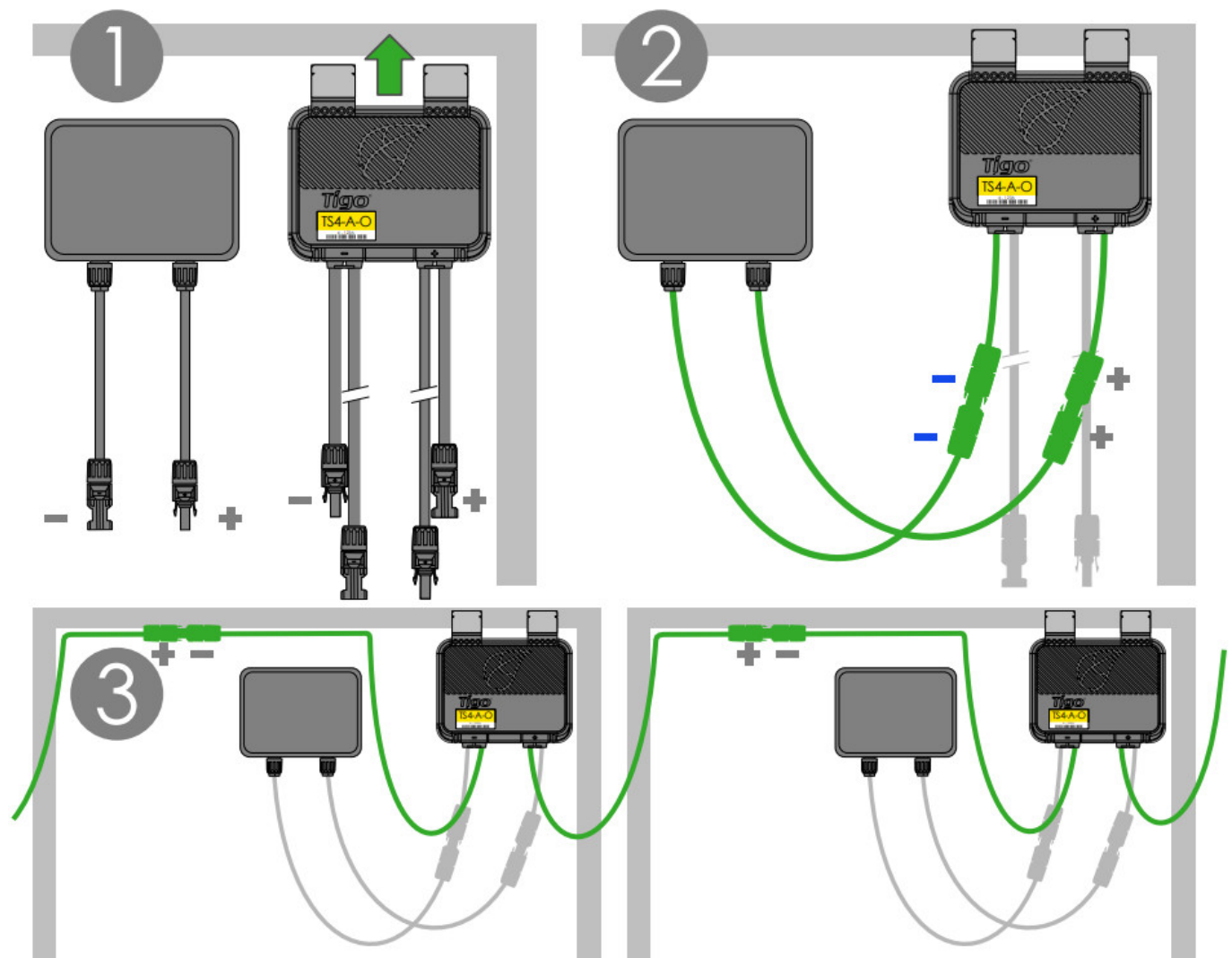
Class II double insulation



DANGER High Voltage

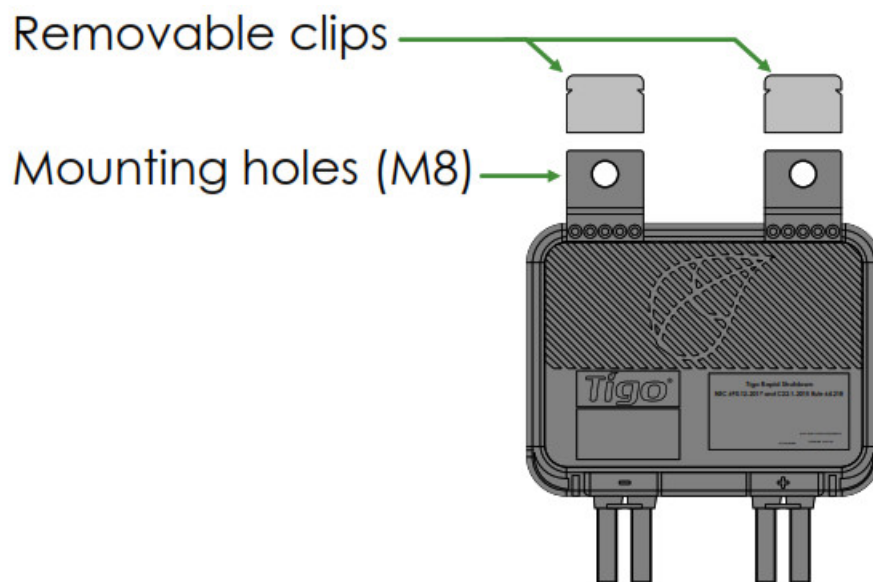
IMPORTANT NOTICE

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



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.



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



<https://qrco.de/bcLMoO>



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Documents / Resources



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TS4-A-O Module-L, evel Optimization, TS4-A-O, Module-Level Optimization, Optimization