

## 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: 80V<sub>DC</sub>  
 Maximum current: 15A<sub>DC</sub>

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

Maximum system voltage 1000V / 1500V

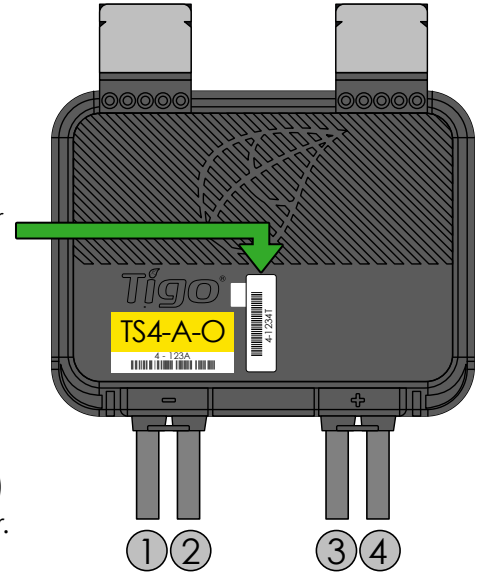
Use ANSI/NFPA 70 wiring methods.

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 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.*



- ① PV Module -
- ② String -
- ③ String +
- ④ PV Module +

 Class II double insulation

 High Voltage  
**DANGER**



### 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.

### 注意事項

当连接的组件暴露在阳光下时电力将会从Tigo TS4-A输出端输出。请小心处理。

### ATTENTION!

Une fois connecté au panneau photovoltaïque exposé au soleil, les boîtiers Tigo TS4-A laisseront passer le courant. Soyez vigilant.

### WICHTIGER HINWEIS

Bei Verbindung der Tigo TS4-A mit einem aktiven PV-Modul steht der Ausgang unmittelbar unter Spannung. Bitte Vorsicht im Umgang.

### AVVISO IMPORTANTE

Prestare la massima attenzione: i cavi di uscita dei Tigo TS4-A sono già alimentati con energia elettrica quando vengono collegati a un modulo fotovoltaico esposto alla luce del sole.

### 안전을 위한 주의사항

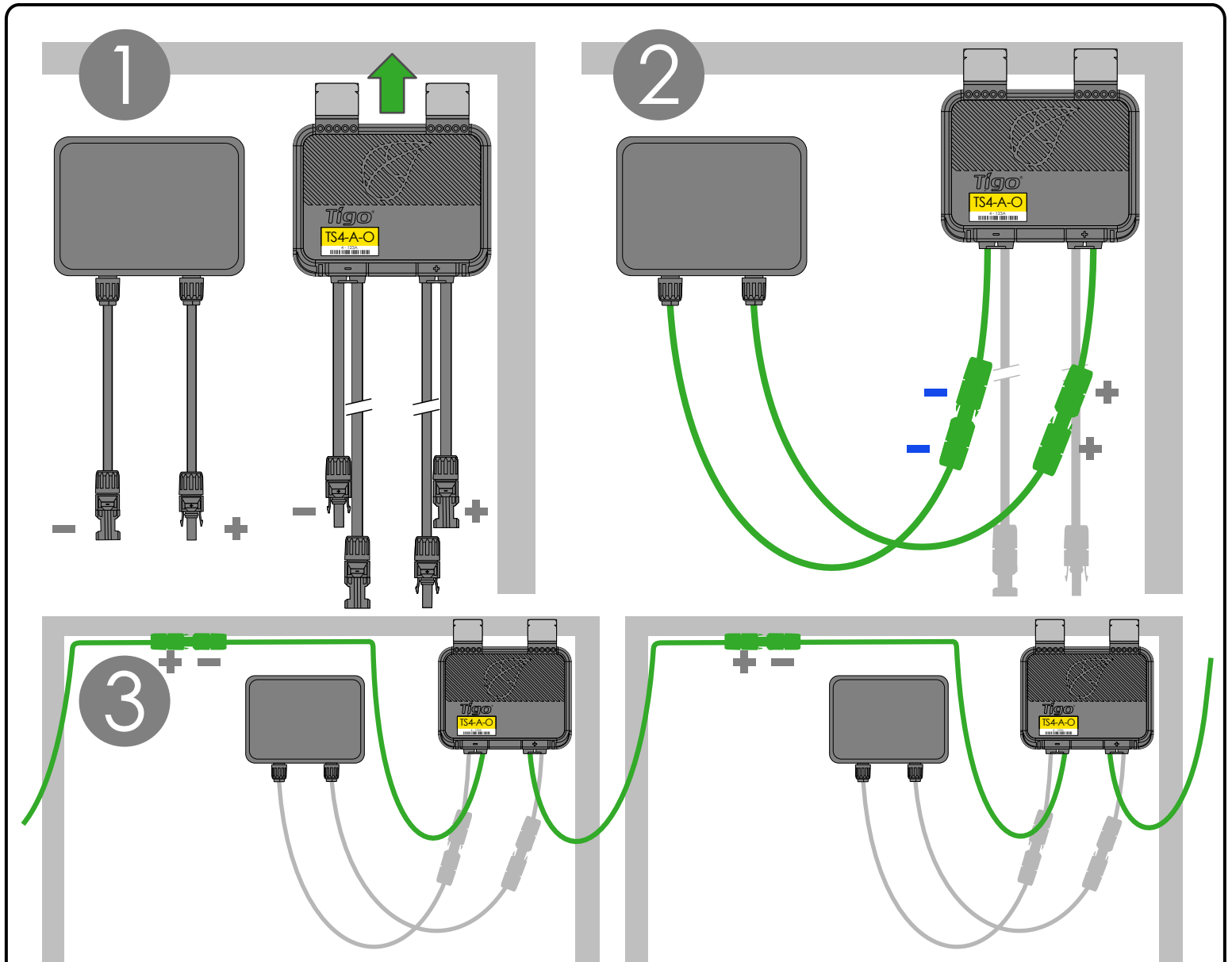
햇빛에 노출된 태양전지 모듈에 연결하면 Tigo TS4-A 출력 케이블에 즉시 전기가 흐르게 됩니다. 취급시 주의하십시오.

### 重要事項

日射下の太陽光モジュールを接続すると同時に、タイゴTS4-Aの出力ケーブルにも電気が流れますので、取扱いには十分ご注意ください。

### ¡PRECAUCION!

Al momento de conectar los cables de salida los Tigo TS4-A a un módulo fotovoltaico expuesto al sol, se iniciará la corriente eléctrica. Tenga cuidado en su manejo.

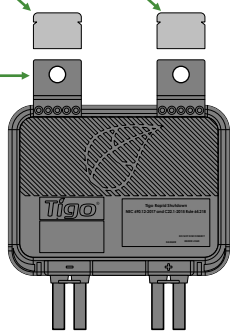


Note: When installing TS4-A, connect the input cables to the PV module before connecting the TS4-A output cables in series.

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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Manuals



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