



TS4-A-F

Module-level PV Rapid Shutdown

The TS4-A-F (Fire Safety) is the advanced add-on rapid shutdown solution that brings smart module functionality to standard PV modules for higher reliability. Ensure safety by upgrading existing PV systems or by adding safety features to new installations.

The TS4-A-F complies with 2017 and 2020 NEC 690.12 Rapid Shutdown specifications when installed with the Tigo RSS Transmitter or an inverter with built-in Tigo certified transmitter.

Included Features



Fire Safety

Enhanced **safety** for NEC 690.12 rapid shutdown compliance

Easy Installation

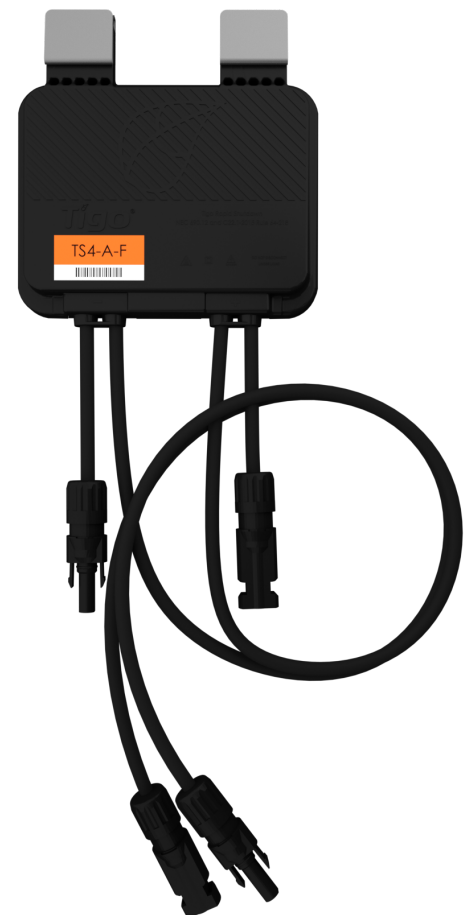
Snap to standard module frame or remove clips for rack mounting

PLC Signaling

Control rapid shutdown with the Tigo RSS Transmitter

Automatic Shutdown

PV array enters rapid shutdown in event of AC grid loss



TS4-A-F SPECIFICATIONS

Environmental

Operating Temperature Range	UL: -30°C to +75°C (-22°F to +167°F) IEC: -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	490g

Electrical

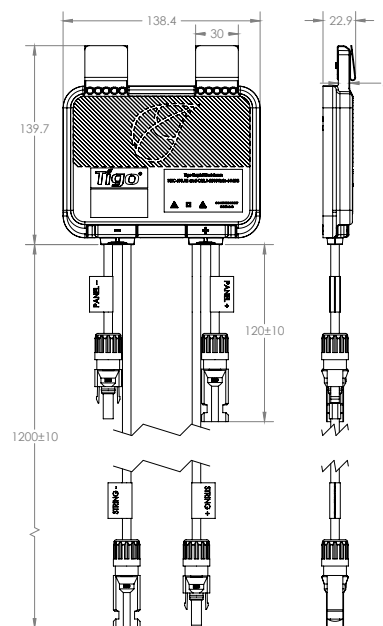
Max Input Voltage (V _{oc} @ Lowest Temperature)	90V
Input Voltage Range	16 - 90V
Maximum Current	15A
Maximum Power	700W
Cable Lengths (in/out)	0.12/1.2m (standard), 0.62/1.2m (optional)
Connectors	MC4 (standard), EVO2 (optional)
Communication Type	PLC
Rapid Shutdown UL Listed (NEC 2017 & 2020 690.12)	Yes
Rapid Shutdown Time Limit	30 secs or less**
Conductor AWG Range	10-12AWG

PVRSE Controlled Conductors ≤30 Vdc, ≤240VA, ≤8A**

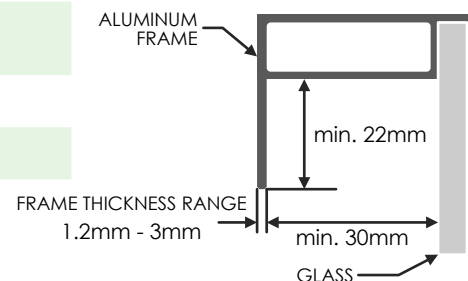
Rapid shutdown activation of TS4-A-F requires RSS Transmitter.

*Maximum output voltage of the TS4 is dependent on the PV module voltage. Refer to PV modules nameplate.

**Limits are based on NEC 690.12 rapid shutdown requirements.



Module frame specifications for mounting TS4-A



ORDERING INFORMATION

Standard

459-00252-32 15A, 700W, 1500VUL/1000VIEC, 1.2M Cable, MC4

Options

459-00261-32 15A, 700W, 1500VUL/IEC, 1.2M Cable, EVO2

459-00252-62 15A, 700W, 1500VUL/1000VIEC, 0.62/1.2m Cable, MC4

459-00261-62 15A, 700W, 1500VUL/IEC, 0.62/1.2M Cable, EVO2

For sales info:

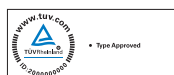
sales@tigoenergy.com or 1.408.402.0802

For product info:

Visit tigoenergy.com/products

For technical info:

Visit support.tigoenergy.com



Photovoltaic Rapid Shutdown System Equipment, QIUW



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