Tigo® Flex MLPE

TS4-A-2F
Module-level PV Rapid Shutdown for Two Modules

The TS4-A-2F (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-2F complies with NEC 2017 & 2020 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 brackets 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-2F SPECIFICATIONS

Environmental	
Operating Temperature Range	-30°C to +70°C (-22°F to +158°F)
Outdoor Rating	IP68, NEMA 3R

Mechanical	
Dimensions	138.4mm x 139.7mm x 22.9mm
Weight	590g

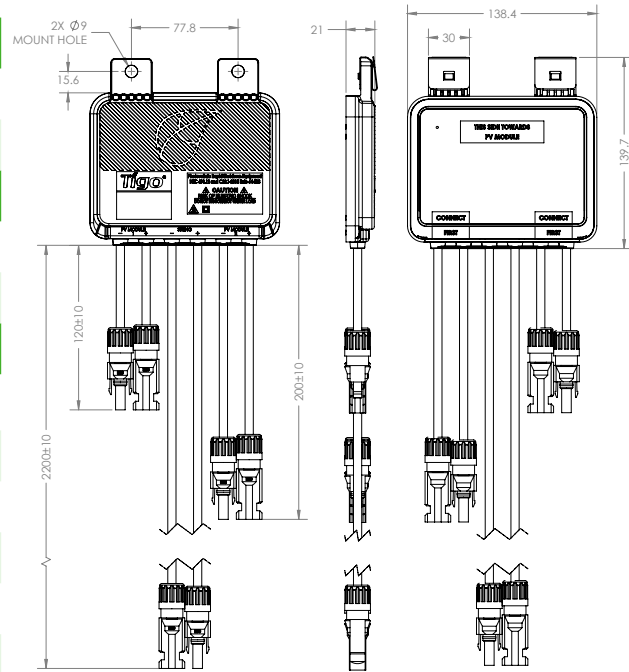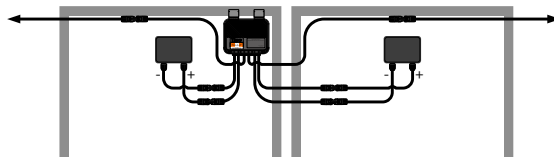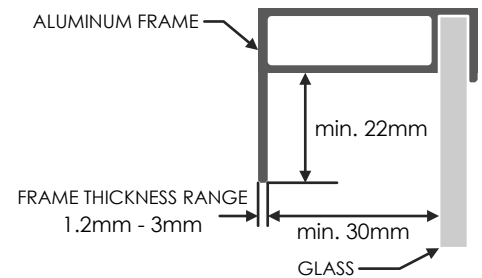| Electrical	
Max Input Voltage (V$_{OC}$ @ Lowest Temperature)	80V
Input Voltage Range (per input)	16 - 80V
Maximum Output Voltage	160V (80V per input)
Maximum Current (per input)	15A
Maximum Power (total)	1000W
Cable Lengths (in/out)	0.12 and 0.2m/2.2m (standard) 1.2 and 1.3m/ 2.4m (optional)
Connectors	MC4 (standard), EVO2 (optional)
Communication Type	PLC
Rapid Shutdown UL Listed (NEC 2017 & 2020 690.12)	Yes

Rapid shutdown activation of TS4-A-2F requires RSS Transmitter.
*Maximum output voltage of the TS4 is dependent on the PV module voltage. Refer to PV modules nameplate

Installation example: Serial connection of two PV modules to a TS4-A-2F

Module frame specifications for mounting TS4-A

ALUMINUM FRAME
min. 22mm
FRAME THICKNESS RANGE 1.2mm - 3mm
min. 30mm
GLASS

ORDERING INFORMATION

Standard	
484-00252-22	1500V UL / 1000V IEC, 0.12/0.2/2.2m cable, MC4

Optional	
484-00252-24	1500V UL / 1000V IEC, 1.2/1.3/2.4m cable, MC4
484-00261-22	1500V UL / IEC, 0.12/0.2/2.2m cable, EVO2
484-00261-24	1500V UL / IEC, 1.2/1.3/2.4m cable, EVO2

For sales info:
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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 tigoenergy.com/design

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Tigo TS4-A-2F

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