TS4-A-F
PV Module Advanced Add-On/Retrofit

The TS4-A-F (Fire Safety) is the advanced add-on/retrofit 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 NEC 2017 690.12 Rapid Shutdown specifications when installed with the Tigo RSS Transmitter or an inverter with built-in Tigo certified transmitter.

Included Features

- **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-F SPECIFICATIONS

#### Environmental
- **Operating Temperature Range**: -40°C to +85°C (-40°F to +158°F)
- **Outdoor Rating**: IP68, NEMA 3R

#### Mechanical
- **Dimensions**: 138.4mm x 139.7mm x 22.9mm
- **Weight**: 490g

#### Electrical
- **Voltage Range**: 16 - 90V
- **Maximum Continuous Input Current (I_{MAX})**: 12.5A
- **Maximum Power**: 500W
- **Output Cable Length**: 1.2m (standard)
- **Connectors**: MC4 compatible (standard)
- **Communication Type**: PLC (SunSpec compatible)
- **Rapid Shutdown UL Listed (NEC 2014 & 2017 690.12)**: Yes

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

### ORDERING INFORMATION

#### Standard
- 458-00257-12: 1000V UL / TÜV, 1.2m cable, MC4 compatible

#### Options
- 458-00252-32: 1000V UL / TÜV, 1.2m cable, MC4
- 458-00257-00: 1000V UL / TÜV, 1m cable, MC4 compatible
- 458-00252-12: 1000V UL / TÜV, 1m cable, MC4
- 458-00261-32: 1500V UL / TÜV, 1.2m cable, EVO2
- 458-00261-12: 1500V UL / TÜV, 1m cable, EVO2

**For sales info:**
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- Visit tigoenergy.com/products

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- Visit support.tigoenergy.com

For additional info and product selection assistance, use Tigo’s online design tool at tigoenergy.com/design.