



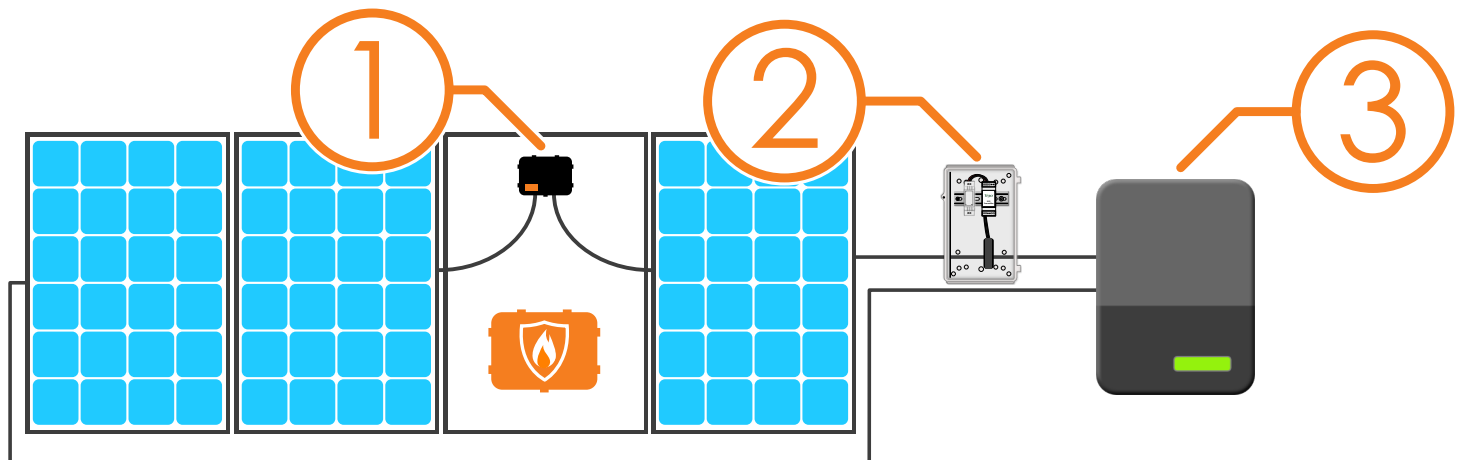
RSS TRANSMITTER

Rapid Shutdown with TS4-F

The Tigo Rapid Shutdown System (RSS) Transmitter is part of a rapid shutdown solution when paired with Tigo TS4-F (Fire Safety), a PV module rapid shutdown unit. While powered on, the RSS Transmitter sends a signal to the TS4-F units to keep their PV modules connected and supplying energy.

TS4-F units automatically enter rapid shutdown mode when the RSS Transmitter is switched off and resume energy production when power is restored to the RSS Transmitter. This solution complies with NEC 690.12 specifications for 2014 and 2017 and supports the SunSpec-defined signaling for rapid shutdown. The RSS Transmitter and TS4-F are compatible with many inverters and modules.

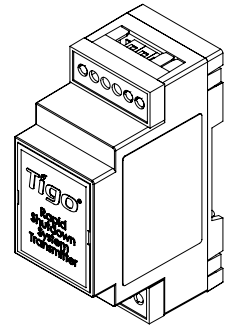
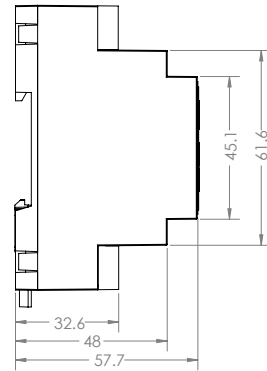
TS4-F and the RSS Transmitter require no separate commissioning process.



1. Modules equipped with Tigo TS4-F (Fire Safety)
2. Tigo RSS Transmitter
3. Inverter

RSS TRANSMITTER

Meets NEC 690.12 requirements
Module-level deactivation with TS4-F
Automatic or manual shutdown
Supports SunSpec signaling



All dimensions in mm.

Input

Input Voltage: 12V_{DC}

Input Current: 1A

Avg Supply Power: 0.85W

Recommended Power Supply Rating: 12V_{DC} and 2A

RSS Core

Max Current: 150A per Core (Single Core: 150A, Dual Core: 300A)

Max MPPT String Voltage: 1500V_{DC}

Internal Opening for Wires: 27.5mm

Outside Dimensions: 59mm

Max Number of Strings per Core: 10

Max String Length: 30 modules

Environmental

Temperature: -40°C to 85°C

ORDERING OPTIONS

490-00100-10 RSS Transmitter PCBA, Single RSS Core

490-00100-20 RSS Transmitter PCBA, Dual RSS Core

490-00000-10 RSS Transmitter DIN Rail, Single RSS Core

490-00000-20 RSS Transmitter DIN Rail, Dual RSS Core

492-00000-10 RSS Transmitter Kit, DIN Rail PS, Single RSS Core, Outdoor

492-00000-20 RSS Transmitter Kit, DIN Rail PS, Dual RSS Core, Outdoor

For more information on Tigo products:
www.tigoenergy.com/products

For technical information:
<http://support.tigoenergy.com>

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

