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, 2017, and 2020 and is compatible with SunSpec signaling for rapid shutdown. The RSS Transmitter and TS4-F are compatible with many inverters and modules.

The RSS Transmitter includes one or two RSS Cores, and a 120/240VAC power supply is available separately.

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

Meets NEC 690.12 requirements
Module-level deactivation with TS4-F
Automatic or manual shutdown
Includes one or two RSS Cores
Optional 120/240V<sub>AC</sub> power supply

ORDERING OPTIONS

- **490-00000-10** Single Core (150A) RSS DIN Rail Transmitter (no power supply)
- **490-00000-20** Dual Core (300A) RSS DIN Rail Transmitter (no power supply)
- **983-01512-00** DIN Rail Power Supply, 12V<sub>DC</sub>, 1.25A

**Input**

- Transmitter Input Voltage: 12V<sub>DC</sub> (+/- 2%)
- Transmitter Input Current: 1A

**RSS Core**

- Max Current: 150A per RSS Core (Single Core: 150A, Dual Core: 300A)
- Max String Voltage: 1500V<sub>DC</sub>
- Max Number of Strings per Core: 10
- Max Supported PV Modules per String: 30

**Environmental**

- Operating Temperature Range: -40°C to 85°C (PCBA)

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### RSS Transmitter Power (mW) vs Time (ms)

For Tigo RSS Transmitter integration inside an inverter, be able to provide the following power profile:
- Voltage: 12V<sub>DC</sub> (+/- 2%)
- Power Average: 0.85W
- Power Standby: 0.06W
- Duty Cycle: 15%
- Max Power: 5.5W

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**For technical information:**
http://support.tigoenergy.com

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Visit www.tigoenergy.com/products

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