



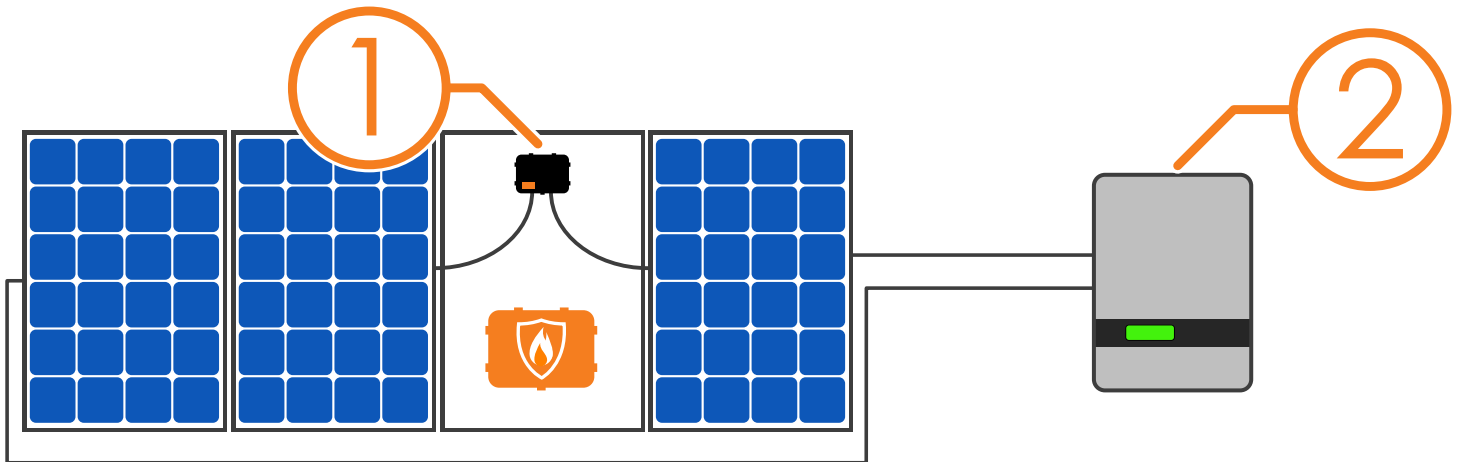
## RSS TRANSMITTER - PCBA

### Integrated Transmitter for 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. The RSS Transmitter can be integrated with an inverter for quick and easy installation.

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 uses PLC signaling for rapid shutdown.

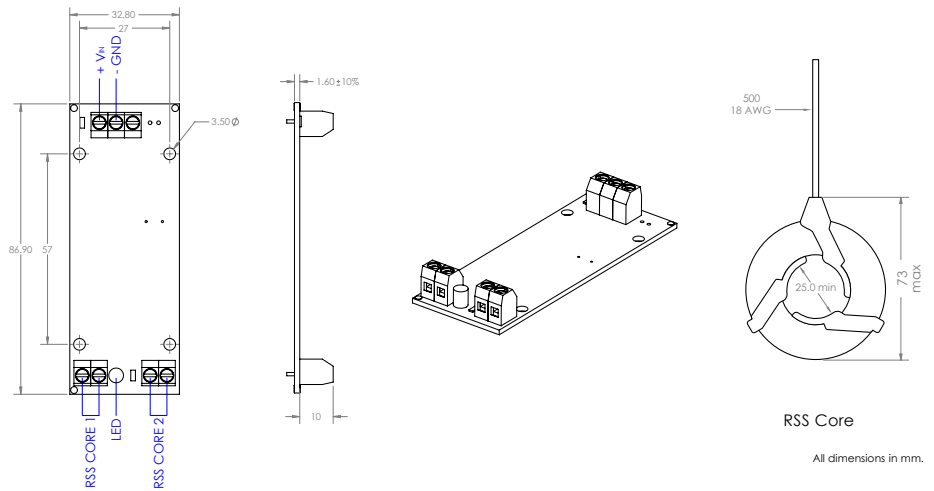
The RSS Transmitter PCBA includes one or two RSS Cores, and requires 12V<sub>DC</sub> power from an internal inverter source or a separate PVRSS-certified power supply, also available for order through Tigo.



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

# RSS TRANSMITTER - PCBA

- Meets NEC 690.12 requirements
- Module-level deactivation with TS4-F
- Automatic or manual shutdown
- Includes one or two RSS Cores
- Designed for inverter integration



## 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

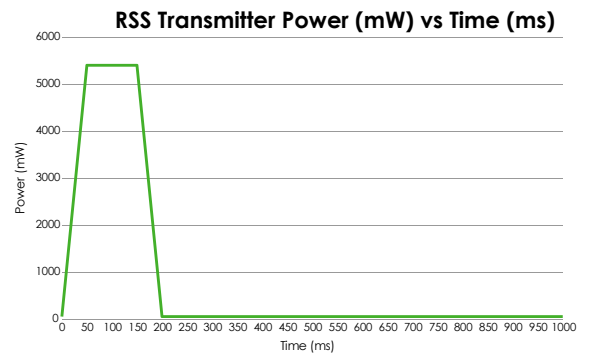
Max Supported PV Modules per String: 30

## Environmental

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

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



## ORDERING OPTIONS

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

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

983-01512-00 DIN Rail Power Supply, 12V<sub>DC</sub>, 1.25A

### For sales info:

sales@tigoenergy.com or 1.408.402.0802

### For technical information:

<http://support.tigoenergy.com>

### For product info:

Visit [www.tigoenergy.com/products](http://www.tigoenergy.com/products)

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