

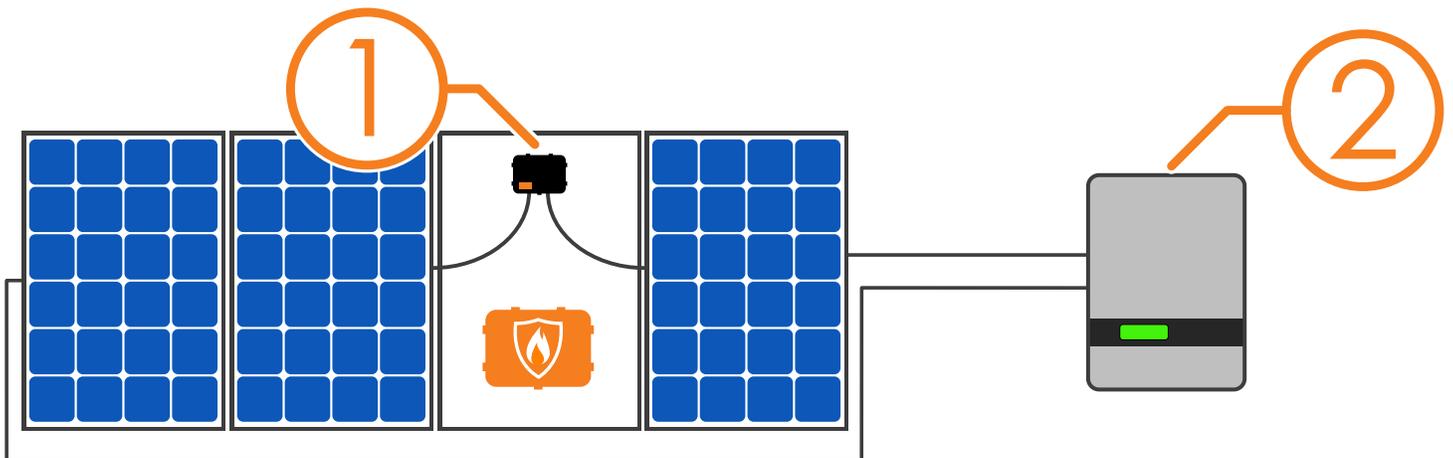
RSS TRANSMITTER - PCBA

Integrated Transmitter for PV Shutdown with TS4-F

The Tigo RSS Transmitter is part of a module-level shutdown solution when paired with Tigo TS4-F. While powered on, the RSS Transmitter sends a power line communication (PLC) 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 shutdown mode when the RSS Transmitter is switched off and resume energy production when power is restored to the RSS Transmitter.

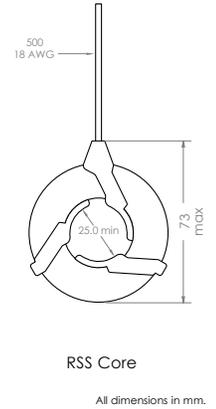
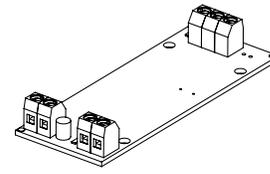
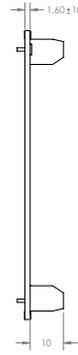
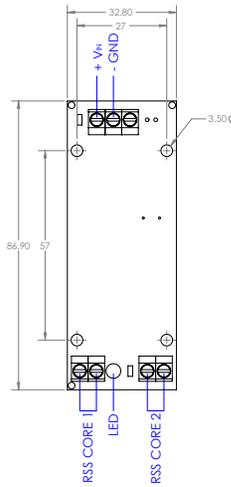
The RSS Transmitter PCBA includes one or two RSS Cores, and a 120/240V_{AC} power supply is available separately.



1. Modules equipped with Tigo TS4-F
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



All dimensions in mm.

Input

Transmitter Input Voltage: 12V_{DC} (+/- 2%)

Transmitter Input Current: 1A

RSS Core

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

Max String Voltage: 1500V_{DC}

Max Number of Strings per Core: 10

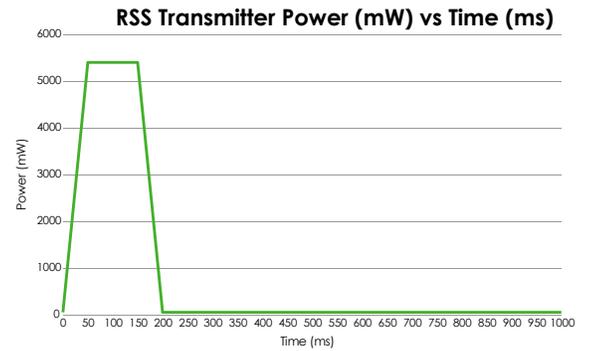
Max Supported PV Modules per String: 30

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_{DC} (+/- 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_{DC}, 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

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

