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

### 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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>490-00100-10</td>
<td>RSS Transmitter PCBA, Single RSS Core</td>
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<tr>
<td>490-00100-20</td>
<td>RSS Transmitter PCBA, Dual RSS Core</td>
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<tr>
<td>490-00000-10</td>
<td>RSS Transmitter DIN Rail, Single RSS Core</td>
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<tr>
<td>490-00000-20</td>
<td>RSS Transmitter DIN Rail, Dual RSS Core</td>
</tr>
<tr>
<td>492-00000-10</td>
<td>RSS Transmitter Kit, DIN Rail PS, Single RSS Core, Outdoor</td>
</tr>
<tr>
<td>492-00000-20</td>
<td>RSS Transmitter Kit, DIN Rail PS, Dual RSS Core, Outdoor</td>
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**For more information on Tigo products:**
www.tigoenergy.com/products

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