



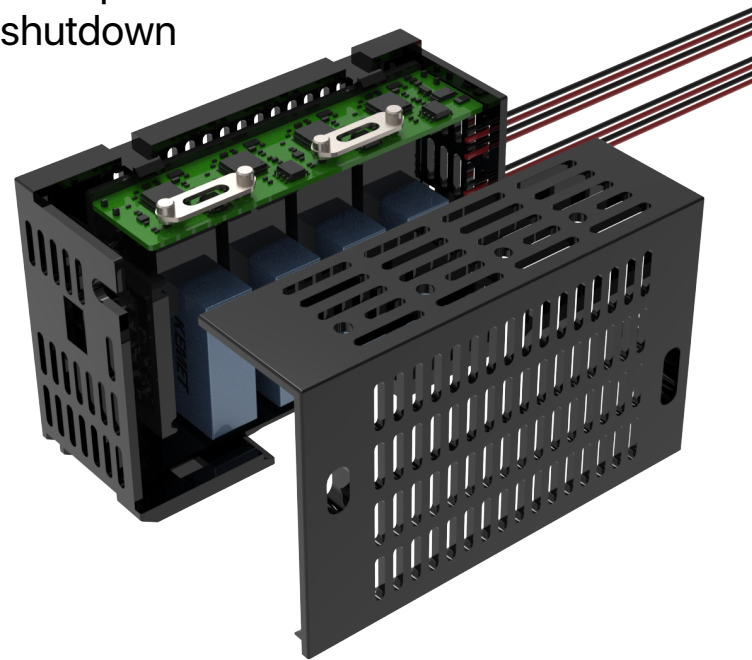
ENTELLIGENT



Entelligent NMax RSS Transmitter

PV Module-Level Monitoring Capable¹

- Rapid Shutdown System (RSS) transmitter generates 'permission to operate' signal for rapid shutdown functionality
- Compatible with Entelligent NMax RSDs with Optimization and other SunSpec™ RSD Certified rapid shutdown devices (RSDs)
- PV module-level monitoring with Entelligent NMax RSDs with Optimization
- Bi-directional power-line communication (PLC) with rooftop MLPE
- Coupling transformer design
- SunSpec Modbus RS-485 output
- Asymmetric signal generation minimizes cross-talk and false arc tripping
- Multi-vendor UL PVRSS Certified to meet NEC 2017 690.12 & NEC 2020 690.12
- Installation configuration options:
 - DIN rail for inverter wire-box integration
 - Weatherproof-rated (IP-68) external wall-mount box



RSTAI-4C1S
Internal DIN rail model

Entelligent NMax RSS Transmitter

Product Specifications

Entelligent Model Number	RSTAE-4C4S	RSTBE-4C4S	RSTAI-4C1S
Mounting Option	External Wall Box	External Wall Box	Internal DIN Rail
Electrical			
Maximum PV System Voltage	600 Vdc	1000 Vdc	600 Vdc
Number of PV String Inputs	4	4	4
Input Device Voltage	85-264 Vac	85-264 Vac	12 Vdc
Input Device Current	300 mA	300 mA	300 mA
Mechanical			
Dimensions	260 x 160 x 100 mm	260 x 160 x 100 mm	96 x 46.5 x 40 mm
Weight	1.4 kg	1.4 kg	140 g
Enclosure Rating	NEMA Type 6P / IP 68		N/A
PV String Connection	Terminal Block		Wago 221-613 connector
Features			
PV Module-Monitoring ¹ : MLPE data communicated to Entelligent NMax RSS Transmitter	Voltage Input Voltage Output Serial Number Status Errors Operational Mode (Passthrough / Power Optimization / Stand-By)		Current Input Current Output Firmware Version MPLE Internal Temperature
Operating Ambient Temperature Range	-40 °C to +85 °C (-40 °F to +185 °F)		
Communication Signal	Power Line Communication (PLC)		
Number of PV String Inputs	4		
Maximum Number of MLPE Devices per String ²	256 ²		
Output Data Port	RS-485 Modbus		
Standards Compliance			
Photovoltaic Rapid Shutdown System	NEC 2017 (690.12), NEC 2020 (690.12)		
Safety Compliance	UL 1741, CSA 22.2 No. 107.1		
EMC Compliance	FCC Part 15 Class B		
Others	SunSpec™ RSD Certified		

¹when installed with an Entelligent NMax RSD with Optimization MLPEs

²subject to applicable standards compliance limitations

RSTAE-4C4S
external wall box model

