

Raising the bar in innovative DC MLPE solar power systems

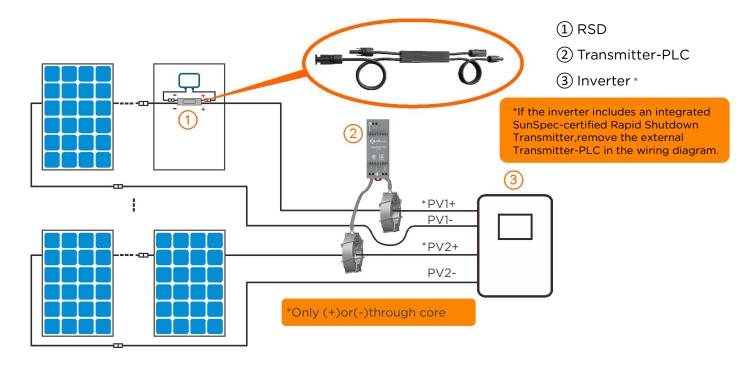
TRANSMITTER-PLC

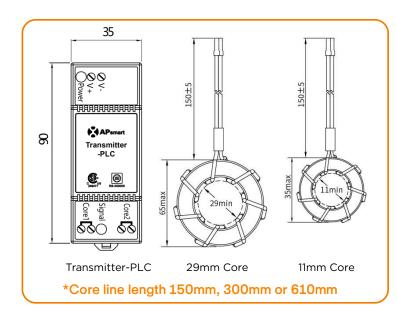
- Meets NEC 2017&2020 (690.12) requirements
- Switching off Transmitter-PLC results in rapid shutdown of the output of PV modules
- Meets SunSpec requirements
- Equipped with single/dual core
- Optional 85-264VAC power supply
- Optional 180-550VAC power supply

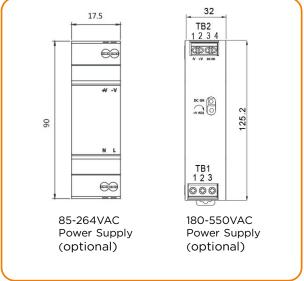
The APsmart Rapid Shutdown System Transmitter-PLC is part of a rapid shutdown solution when paired with APsmart RSD, a PV module rapid shutdown unit. While powered on, the Transmitter-PLC sends a signal to the RSD units to keep their PV modules connected and supplying energy.

RSD units automatically enter rapid shutdown mode when the Transmitter-PLC is switched off and resume energy production when power is restored to the Transmitter-PLC. This solution complies with NEC 690.12 specifications for 2017&2020 and supports the SunSpec signaling for rapid shutdown.

The Transmitter-PLC includes one or two cores and an optional power supply: 85-264VAC for residential, 180-550VAC for commercial.







Main electrical data

Input Voltage	12VDC
Input Current	0.8A
Communication	PLC

Power Supply

Residential (optional)	85-264VAC Input, 12VDC Output, 90 mm x 17.5 mm x 58.4 mm
Commercial (optional)	180-550VAC Input, 12VDC Output, 125.2 mm x 32 mm x 102 mm

Core data 29mm Core 11mm Core 150A Per core 75A Per core Max. Current Max. System Voltage 1500VDC Internal Opening for Wires/Outside Dimensions ~29mm/65mm ~11mm/35mm Max. Supported PV Modules per String 30 modules

Number Of Strings Per Core

DC Cable Diameter(without connector)	Ф5.9mm	Φ6.35mm	Φ7mm	Ф8.6mm	
29mm Core	≤15	≤15	≤14	≤10	
11mm Core	≤ 6	≤ 5	€4	€2	

Environmental

Temperature -40℃ ~+100℃

Structure data

Dimensions (W x H x D)	90 mm x 35 mm x 40 mm
Enclosure Environmental Rating	IP30

Features & Compliance

Safety Compliance	NEC 2017&2020 (690.12); UL1741; CSA C22.2 No. 330-17
EMC Compliance	FCC Part15; ICES-003







ORDERING INFORMATION	
406000	29mm Dual Core Transmitter-PLC (no power supply), core line length 150mm
406001	29mm Single Core Transmitter-PLC (no power supply), core line length 150mm
406006	29mm Dual Core Transmitter-PLC (no power supply), core line length 610mm
406007	29mm Dual Core Transmitter-PLC (no power supply), core line length 300mm

