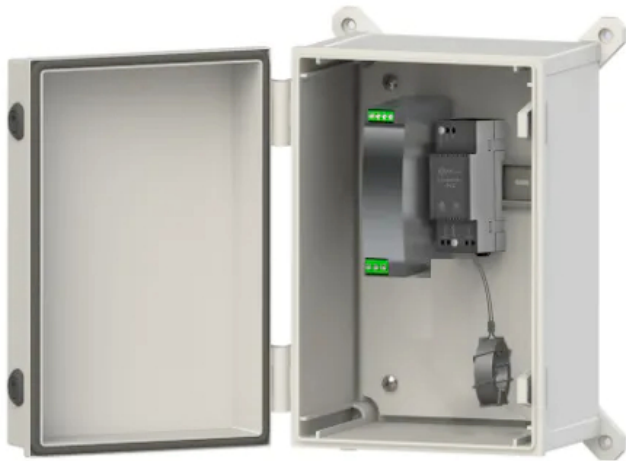


## APSmart Single-Core RSD Transmitter Outdoor Kit by APSystems



Price: CAD \$279.00

**SKU:** APSMART-OUTDOOR-SINGLE

**Product Categories:** [DC Optimizers](#), [Inverters](#), [Rapid Shutdown](#), [Shop](#)

**Product Tags:** [apsmart](#), [apsmart canada](#), [apsmart transmitter](#), [box](#), [canada](#), [enclosure](#), [ip65](#), [outdoor kit](#), [plc](#), [Power Supply](#), [rapid](#), [rapid shutdown](#), [rsd](#), [signal](#), [transmitter](#)

**Product Page:**

<https://www.modernoutpost.com/product/apsmart-single-core-rsd-transmitter-outdoor-kit-by-apsystems/>

### Product Summary

This is the APSmart Single-Core RSD transmitter outdoor kit by APSystems. This is the complete kit including single core transmitter, power supply, and IP65 latched

enclosure. This SunSpec Certified device sends a 'keep alive' signal through your DC solar array cables. When proper voltage is not detected the Transmitter stops sending the keep-alive signal to the RSD device, initiating module-level rapid shutdown sequence.

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For SunSpec compliance, pair this transmitter with the APSSmart PLC receivers ( **single** or **dual** module versions) which get placed on the back of your solar modules. The system maintains constant communication between the RSD and Transmitter-PLC, constantly monitoring voltage and current.

Model: 408006

This 29mm ID single-core model is suitable for up to 15 PV strings.

APSSmart Single Core RSD Transmitter Features

Safe

Meets NEC 2017 (690.12) requirements

Meets SunSpec requirements

Reliable

Transmitter-PLC provides heartbeat signal to RSD receiver unit. Signal stops when AC power is absent, thereby shutting-down your PV system at the module level.

Single Core Transmitter Specifications In Brief

### **Electrical**

Input Voltage : 12VDC

InputCurrent : 0.8A

Communication Signal : PLC

## **Power Supply** (Residential Version - not included)

Input : 85-264VAC

Output : 12VDC

Dimensions : 90mmx17.5mmx58.4mm

Note...

Many inverters offer a 12VDC auxiliary power port which can act as the power supply for this transmitter. If not, then we recommend the complete Outdoor Kit which includes the transmitter, power supply, and IP65 hinged enclosure box.

## **Core Data** (29mm Core)

Max Current : 150A

Max System Voltage : 1500VDC

Internal Opening for Wires / Outside Dimensions : ~29mm/65mm

Max Supported PV Modules per String : 30 modules

Number Of Strings Per Core

DC Cable Diameter (without connector) :

Φ5.9mm : ≤15 Strings

Φ6.35mm : ≤15 Strings

Φ7mm : ≤14 Strings

Φ8.6mm : ≤10 Strings

## **Outdoor Enclosure Details**

Dimensions (WxHxD) : 198.5mm x 298mm x 179mm

Environmental Rating : IP65

## **Features & Compliance**

Safety : NEC2017 & 2020 (690.12); UL1741; CSAC22.2 No.330-17

EMC : FCC Part 15; ICES-003

SunSpec Certified (when used with APSSmart receivers)

Downloads

[RSD Transmitter Spec Sheet](#)]

Visit the [APSSmart website](#)] for more info, user manuals, and installation guides

Other Available APSSmart Options...

**Single Core Transmitter Only** (single core, model 406001)

## **Dual-Core Transmitter Only 406000**

### **Outdoor Kit Dual-Core** (dual-core, model 408005)

- Includes PLC transmitter unit, power supply, and latched/hinged IP65 outdoor enclosure

**Receiver Units...** [Single Module](#) [Double Module](#)

## Product Attributes

- Dimensions: 1 &times; 1 &times; 1 cm
- Weight: 1.9 kg