APsmart RSD-S-PLC : Rapid Shutdown Receiver by APSystems

Price: CAD $69.99

SKU: APSMART-RSD-S-PLC
Product Categories: DC Optimizers, Inverters, Shop
Product Page: https://www.modernoutpost.com/product/apsmart-rsd-s-plc-rapid-shutdown-system-by-apsystems/

Product Summary

This is the APsmart RSD-S-PLC Rapid Shutdown System by APSystems. A simple, affordable way to meet Canadian Electrical Code requirements for module-level solar array shutdown. Works seamlessly with any SunSpec certified AC solar string inverter such as SMA or Fronius.

Product Description

This is the APsmart RSD-S-PLC rapid shutdown receiver by APSystems. A simple, affordable way to meet Canadian Electrical Code requirements for module-level solar array shutdown. Works seamlessly with any SunSpec certified AC solar string inverter such as SMA or Fronius.

How Does The APSmart System Work?

Snap an APSmart unit to the back of each module in your array (frame clip is included) and plug the modules into AC strings as normal. Your SunSpec compliant solar string inverter sends an 'active' signal up to the roof via the DC power lines. If/when there is a utility outage, the inverter will disconnect from the grid as required and will stop sending this signal. The rooftop power lines are thereby fully de-energized.

APSmart RSD-S-PLC Compatibility

The APSmart units are compatible with any SunSpec certified inverter system, including, but not limited to...

SMA SunnyBoy-41 SMA Core1-41 Fronius Symo Advanced

These inverters feature an integrated SunSpec RSD-transmitter. No other gateways, wiring, or boxes are required.

If you do not have a SunSpec enabled inverter, you can purchase the APSmart RSD transmitter unit separately.

SAFE

Meets Canadian CEC 2018 64-218 requirements

Meets US NEC 2017 & 2020 (690.12) requirements

SunSpec Rapid Shutdown certified

cCSAus certified

RELIABLE

RSD ASIC Chip designed using APsystems' IP with redundancy topology

Highly integrated SoC System on a chip design for lowest component count.

No DC:DC power conversion for the solar power. Therefore extremely low failure rates when compared to optimizer based systems.

FLEXIBLE

Small and light, direct solar module frame mounted with integrated clips

POWERFUL

Longer daily module operating period (15 ~ 30 minutes) due to its low minimum operation voltage (8V)

Does not interfere with global MPP tracking algorithms and shade mitigation algorithms e.g. SMA ShadeFix

Very Low power consumption

Need The Transmitter Units?

Single Core Transmitter Only (single core, model 406001)

Dual-Core Transmitter Only 406000

Outdoor Kit - Single Core (single-core, model 408006)

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

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

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

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: .4 kg