

# TX ISK-A

**PLC RSS Transmitter** 

- Provides the "heartbeat signal" for RSD
- 2017 NEC 690.12 and 2020 NEC 690.12 Rapid Shutdown Certified.
- SunSpec Rapid Shutdown Certified
- No need to add cores for PLC communication

# **PLC RSS Transmitter Datasheet**

## **RSD PLC Transmitter with PV Module-Level Monitoring**

Sol-Ark TX 15K-A transmitters are part of the Rapid Shutdown Line, they are located inside Sol-Ark 15K-2P-N inverters.

ProvideS the permission-to-operate powerline communication (PLC) signal when paired with Sol-Ark O900-80V or any other SunSpec RSD Certified module-level power electronic devices to provide rapid shutdown system compliance as per 2017 & 2020 NEC 690.12 specifications.

The TX 15K-A Transmitters can be installed in existing Sol-Ark 15K previously commissioned.

No need to install cores for Power Line Communication (PLC), TX 15K-A has the transmitter built into the MPPT board of the Sol-Ark 15K.

## **Quick Specs**

Model	TX 15K-A
Power Supply	On board – 48VDC (Includes power cable)
Dimensions (W x L)	110 mm x 244 mm
Max Number of Strings	6
Number of MPPTs	3
Max Power Consumption	12W









Made for: Sol-Ark 15K-2P-N



**MODEL** 



### **TX 15K-A Technical Data**

INPUT DATA (DC)	
On-board Power Supply Input Voltage	48VDC**
On-board Power Supply Input Current	0.5A
Maximum PV System Voltage	500VDC
Number of PV String Inputs	6
Maximum RSD Devices in series per string	30 (subject to NEC 690.12)

**TX 15K-A** 

#### **MECHANICAL DATA**

Dimensions	110 mm x 244 mm
Weight	356g
PV String Connection	WAGO Terminal block 221-613 10WG

#### ENVIRONMENTAL

Operating Ambient Temperature Range	-13°F to + 131°F (-25°C to + 55°C)
Altitude	4000m
Cooling Method	Natural Convection (within Sol-Ark inverter wire box)
Installation Method	Field replaceable

#### **FEATURES**

Communication Signal	Power Line Communication ( PLC )
Warranty	10 years

#### 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; IEC 61000-6-2; IEC 61000-6-3
Others	SunSpec RSD Certified

<sup>\*\*</sup> It is required to have a **battery based system** to use the On-board Power Supply.

## Easy integration of TX 15K-A with the inverter

#### Transmitter TX 15K-A can be powered from:

- On-board Power Supply (Battery required, see TX 15K-A Quick Installation Guide for more details).
- External 48VDC power supply (for grid-tied)

## **Ordering Information**

#### For sales info:

sales@sol-ark.com

#### For technical info:

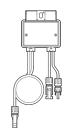
support@sol-ark.com

#### Contact us:

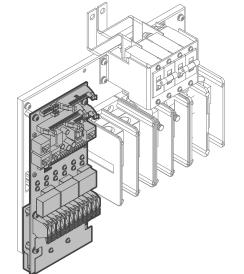
(972) 575-8875

#### It pairs with:

Sol-Ark **0900-80V**







TX 15K-A installed inside a Sol-Ark 15K-2P-N