



# RSD-Datasheet

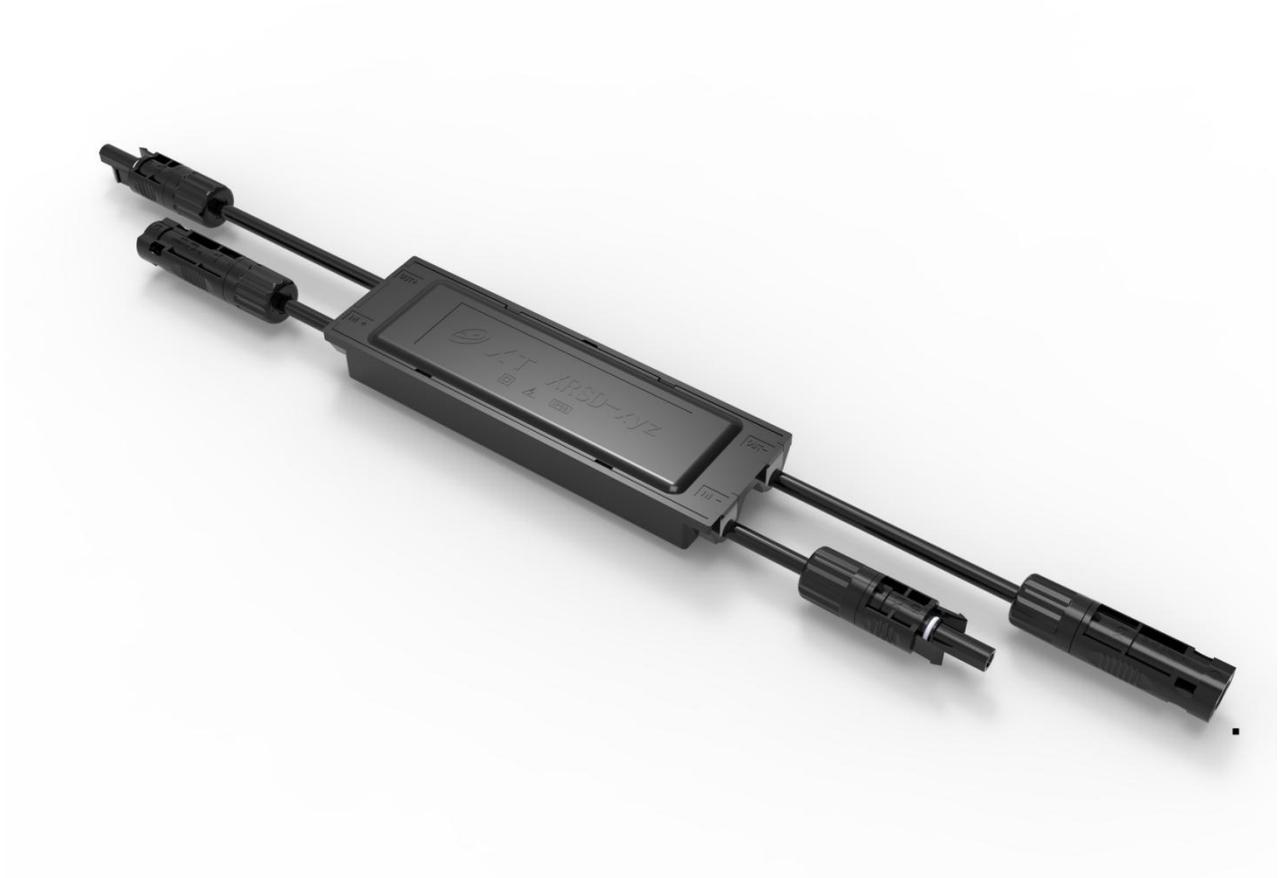
## XRSD-xyz

Product Name: Rapid shutdown module

Type: XRSD-xyz

Vendor name: Suzhou Xtong Photovoltaic Technologies Co. Ltd

Version: A/0



The XRSD-xyz meets SunSpec requirements, maintaining normal function by continually receiving a enable signal from the XTONG PLC Transmitter (PLC-2). The RSD executes rapid system shutdown when the Transmitter signal is absent. Users can manually execute rapid shutdown using Transmitter E-stop button.

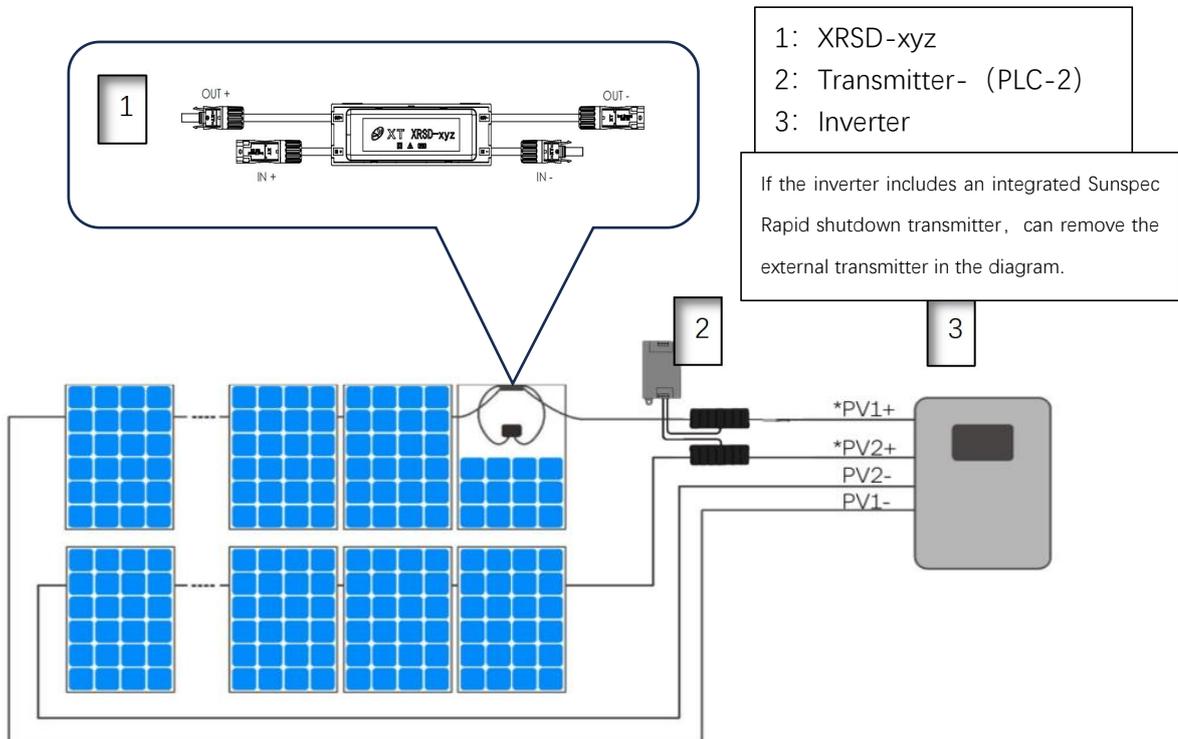


## XRSD-xyz Technical data:

<b>Input data(DC)</b>		
Input Operating Voltage Range	8~100V	
Maximum Con.Input current (Imax)	20A/25A	
Maximum Short Circuit Current (Isc)	25A	
<b>Output data (DC)</b>		
Output Operating Voltage Range	8~100V	
Maximum System Voltage	1000V/1500V	Depending on the voltage level of the connector used
Maximum Series Fuse Rating	30A	
<b>Mechanical Data</b>		
Operating Ambient Temperature Range	-40°C~+85°C	
Dimensions (Without cable & connectors)	165.4*51.2*25.2 (L*W*H)	
Cable Length	Input 250mm / Output 1200mm	Customized possible
Cable Cross section Size	4mm <sup>2</sup> /AWG12	
Connector	Input PV-XT101.2 (XTONG)	Customized possible
	Output PV-XT101.2 (XTONG)	Customized possible
Enclosure Rating	IP68	
<b>Features &amp; Compliance</b>		
Communication	PLC	
Safety Compliance	NEC2017 &2020 (690.12);UL1741,CSA C22.2 No.330-17;	



### XRSD-xyz wiring diagram:



### XRSD-xyz working schematic diagram:



## Safety Instructions

1.The product should be assembled by people who were professionally trained and aware of related safety codes.

2.A set of specific PV Modules and tools is recommended to assemble the connectors. XTONG shall take no responsibility whatsoever for any problems caused by unspecified PV Modules or tools.

3.Do not deviate from the preparation and assembly steps described here. Do not modify the product in any way. XTONG shall give no guarantee as to safety or conformity with the technical parameter in the case of non-observance of XTONG's manual or instructions.

4.Products cannot be stored, transferred or used in the environment that have the chemicals listed in Appendix Form 1 and labeled by “incompatible”.

(1) Do not over pressure, impact or pollute the products. XTONG shall take no responsibility whatsoever for any broken, shape change and other problems caused by over pressing, impact or pollution.

(2) The maximum storage time for this product is 1 year. Please assemble the product to end products within 1 year.

(3) The product must not be plugged together with any other connectors with different brands.

(4) Products shall not be used in non-PHOTOVOLTAIC systems or non-photovoltaic environments.

(5) The connectors cannot be used or operated under water or the rain.

(6) The unplugged connectors should be placed away from dust, water and pollution, and be protected by sealing caps.

(7) The connector should not be under continuously mechanical tension or stretching. The connectors or cables are recommended to be fixed.

(8) Cable which used to connect with the connector must be tin plated. PVC



cables are prohibited for safety reasons.

 No actions mentioned in this document can be carried out on live or load-carrying parts.

 Electric shock protection is essential in final systems or assured by the end product and its user.

 Unplugging and plugging are not allowed when the system is under load.

## **Exclusion Terms**

**XTONG shall not be responsible for defects subjected to any situations as listed below:**

1. Inobservance in instructions or manuals from XTONG.
2. Connectors be plugged with a different brand connector.
3. Accident.
4. Connectors be used inappropriately.
5. Connectors be destroyed or broke by human.
6. Destruction or pollution caused by abnormal using environment.
7. Natural hazard.
8. Natural depletion.
9. Force majeure.

**Xtong reserves the right of interpretation for this Specification and manual.**

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