



## NEW FROM SOLAX TRANSMITTER KIT XRSD-CORE KIT

### Description

The Solax XRSD-Core Kit, in tandem with Rapid Shutdown Devices, forms a crucial segment of the Solax rapid shutdown system. Here's how it functions:

- Once activated, it continuously sends a keep-alive signal to the XRSD, ensuring a stable connection between the PV modules and the string inverter.
- In the event of a power down in the XRSD-Core Kit, the XRSD swiftly transitions to a quick shutdown mode, temporarily suspending energy generation.
- Upon restoring power to the XRSD-Core Kit, energy production resumes seamlessly and without delay.

Furthermore, the kit is endowed with bidirectional PLC communication capabilities. When paired with the optional monitoring dongle, it facilitates module-level monitoring. This setup allows the XRSD-Core Kit to transmit data, gathered by the XRSD from the PV panels, directly to the Solax cloud through the monitoring dongle.

*Note: To achieve rapid shutdown, please use with the Rapid Shutdown Device. (You can choose from models of XRSD-1C or XRSD-2C)*

### Features

- 1 Module-level rapid shutdown with Solax XRSD
- 2 Module-level monitoring (optional)
- 3 IP 65
- 4 Realize rapid shutdown by simply powering off the Core Kit or using an E-STOP button
- 5 Up to 2 cores per transmitter
- 6 Power supply and WiFi Modules(optional)

#### Contact Us for More Informations

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# TRANSMITTER KIT

## XRSD-CORE KIT

ELECTRICAL DATA		
Power supply input voltage [Vac]	85-264	
Transmitter input voltage [Vdc]	12 (+/-2%)	
Transmitter input current [A]	1	
CORE		
Max. Number of core	2	
Max. Current per core	75A	75A
Max. String voltage [Vdc]	1500	
Diameter [mm]	~17 (Inner) /47 (Outer)	~17 (Inner) /47 (Outer)
Max. Number of strings per core*	5	5
MECHANICAL		
Dimensions (W x H x D) [mm]	198.5 x 298 x 179	
ENVIRONMENT LIMIT		
Protection class	IP65/NEMA4	
Operating temperature range[°C]	-40°C to +75°C (-40°F to +175°F)	
COMPLIANCE		
Safety	NEC 2017&2020 (690.12); UL1741; CSA C22.2 No. 330-17	
EMC	FCC Part15; ICES-003	

\* Note: According to the cable diameter  $\Phi$  6 mm, if cable diameter is more than  $\Phi$  6 mm, Strings Per Core will be reduced. Extra precaution must be taken to avoid exceeding the permissible current limit.