



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)

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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 Φ 6 mm, if cable diameter is more than Φ 6 mm, Strings Per Core will be reduced. Extra precaution must be taken to avoid exceeding the permissible current limit.