

Rapid Shutdown Device



XRSD-CORE KIT

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)



IP65 protection degree



Supports up to 2 cores per transmitter



Seamlessly compatible with SolaX XRSD receivers for module-level rapid shutdown

XRSD-CORE KIT

ELECTRICAL DATA	
Power supply input voltage	85 ~ 264 VAC
Transmitter input voltage	12 (±2%) V
Transmitter input current	1 A
CORE	
Max. number of configure core	2
Max. current per core	150 A
Max. string voltage	1500 V
Diameter	~31 mm (inner) / 65 mm (outer)
Max. number of strings per core*	10 (This data refers to a cable diameter of Φ 6 mm)
MECHANICAL	
Dimensions	200 × 300 × 170 mm
ENVIRONMENT LIMIT	
Protection class	IP65 / NEMA4
Operating temperature range	-40 ~ 75°C
COMPLIANCE	
Safety	EN 62109-1:2010
EMC	EN IEC 61000-6-1 / 2 / 3 / 4; EN IEC 61000-3-2 / 3 / 11 / 12; EN 55011

* 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.