

RAPIDSAFE 247 remote switch is a multi-functional protection unit for rooftop PV installations. It fulfills all current and upcoming safety requirements of NEC (NFPA70-2014/2017) and UL (UL 1699B, Type 1; UL 1741).

RAPIDSAFE 247 is designed for easy and timesaving installation and is tested and certified to work with the **POWERSTATION 247**. Moreover, the unit can be installed with other solar power converters (device-specific adaptation and functional test may be required).



Complete unit dimensions (H x W x D)
10 inches x 7.09 inches x 3.54 inches

- complies with NEC and UL regulations, ETL certified
- PV Rapid shutdown function acc. to NFPA70-2014, 690.12
- PV arc fault protection acc. to NFPA70-2014, 690-11 and UL 1699B
- Ground fault detector interrupter function acc. to UL 1741
- Combiner box for parallel connection of two PV strings up to 16 A
- Up to four PV-strings with integrated fuses
- Versions for grounded and ungrounded PV arrays available
- NEMA 4X case for rooftop mounting
- PV power rating of up to 13 kW for single unit
- Daisy-chaining of up to 5 units

Technical Specifications

PV Open-Circuit Voltage Range	80-600 VDC
PV Continuous Current	16 A per PV-string (I _{cont})
PV Short Circuit Current	20 A per PV-string (I _{max})
Switched Strings per Unit	4 (grounded), 2 (ungrounded)
Max. String Connection per Unit	8 (grounded), 4 (ungrounded), I _{max} =10A/string
Internal Fusing	16 A, 600 VDC
Efficiency	>99.9 %
Case	NEMA 4X, UL-listed
Dimensions	254x180x90 mm / 10.0x7.09x3.54 inch WxHxD
Weight	1.4 kg / 3.3 lbs.
Ambient Temperature	-35...+65°C / -31...149°F
Relative Humidity	95%, non-condensing
Wire Connection	input up to 6 mm ² / 10 AWG output up to 16 mm ² / 6 AWG
Standards	UL 1741, UL 1699 B Type 1, NFPA70-2014

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