

Solis-RSD(1-2)L-1G

Solis Rapid Shutdown Device

Features:

- Certified to UL1741 standard and compliant with 2014 NEC 690.12 Rapid Shutdown
- Available in either single-string output or dual-channel output allowing for perfect alignment with the number of MPPT channels in the inverter system
- Seamless performance with Solis inverter AFCI
- NEMA 4X enclosure, conformal-coated internal components, and a wide operating temperature range
- Low-profile design allows for easy positioning under the PV module
- Designed for Solis residential PV string inverters where the maximum system operating voltage is $\leq 550\text{Vdc}$

Models:

Solis-RSD1L-1G / Solis-RSD2L-1G

Compatible with the following Solis inverters:

- Solis-1P(3.6-5)K-4G-US • Solis-1P(6-10)K-4G-US



DATASHEET

Solis-RSD(1-2)L-1G

Models	Solis-RSD1L-1G	Solis-RSD2L-1G
DC Values		
Maximum input and output voltage	600 V	
DC input voltage range(volts)	30 - 600 V	
Maximum number of PV source circuits	1 or 2 input / 1 output	2 or 3 input / 2 output
Maximum input / output current	20 A	2 independent channels, 20 A / 10 A
Maximum short circuit current	31.2 A	
DC input / output cable whips	PV Wire with MC4 Locking Connectors	
DC input / output wire size	AWG #12 to #6	
Ground wire size	AWG #10 to #6	
AC Values		
Rated AC input voltage	208 V / 240 V	
Rated AC input current	0.1 A	
Rated frequency	50 Hz / 60 Hz	
AC control wire size	AWG #18 to #10	
Maximum AC fuse rating	2 A	
GENERAL		
Ambient temperature range	-13 to 158°F (-25 to 65°C)	
Enclosure type	NEMA 4X	
Status indicator	Rail-mount plate (WEEB Compatible)	
Efficiency	> 99.5%	
Response time	< 2 seconds	
Dimensions (L × W × H)	10.3 × 9.4 × 2.36 in (262 × 240 × 60 mm)	
Weight	5.1 lbs (2.3 kgs)	
Certification & safety standard compliance	UL1741, FCC Part 15 Class B, NEC 690.12	