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

Compatible with the following Solis inverters:

2.5kW to 10kW

Features:

► Certified to UL1741 standard and compliant with 2014 NEC 690.12 rapid shutdown

► Available in either single-channel output or dual-channel output allowing for perfect alignment with the number of MPPT channels in the inverter system

► No interference with AFCI functionality of Solis inverters

► NEMA 4X enclosure, conformal-coated internal components, and a wide operating temperature range

► Low-profile design allows for easy positioning under the PV module

► Pre-wired MC4 connectors for positive, watertight connections

► Engineered for the US Solis transformer-less inverter line and compatible with any PV module -string inverter combination where the maximum system operating voltage is ≤ 550Vdc

Datasheet

Model	Solis-RSD1L-1G	Solis-RSD2L-1G

DC Values

	Solis-RSD1L-1G	Solis-RSD2L-1G
Maximum input and output voltage (volts)	600	
DC input voltage range(volts)	30-600	
Maximum number of PV source circuits	1or 2 input/ 1 output	2or 3 input/ 2 output
Maximum input / output current (amps)	20	2 independent channels, 20/10
Maximum short circuit current (amps)	31.2	
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 (volts)	208/240	
Rated AC input current (amps)	0.1	
Rated frequency (hertz)	50/60	
AC control wire size	AWG #18 to #10	
Maximum AC fuse rating (amps)	2	

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 (length*width*height)	10.3*9.4*2.36in (262*240*60mm)	
Weight	5.1 lbs (2.3 kgs)	
Warranty	10 years	
Certification & safety standard compliance	Ul1741, FCC Part 15 Class B, NEC 690.12	