

DISCOM STRCOM

FEATURES

- NEMA 4 or NEMA 3R
- 4-30 fused positions
- Multiple fuse sizes
- Locking mechanism

OPTIONS

- DC disconnect
- NEMA 4X stainless steel enclosure
- Stud connections (for crimp lugs)
- Surge arrestor
- Positive grounding




STRING COMBINERS

Solectria Renewables' fused PV string combiners offer 4 to 30 fused positions and fuse values ranging from 4 A to 20 A. The rugged, NEMA 4 sealed enclosure can be mounted vertically or horizontally and is designed to perform in the harshest conditions. The string combiner series offers an optional DC disconnect, contactor, rail mounted surge arrestors, positive grounding, stud connections and a protective cover for extra safety. The enclosure finish can be upgraded from standard, polyester powder coated steel to stainless steel in a NEMA 4X configuration.



DISCOM SPECIFICATIONS (STRING COMBINER WITH DC DISCONNECT)							
PRODUCT	DISCOM 3R	DISCOM 4					
Number of Fused Inputs	4, 6 or 8	8	12	16	20	24	30
Input Wire Range	14-6 AWG	14-6 AWG					
Output Wire Range	1/0-10 AWG	6 AWG-350 kcmil		(2) 6 AWG-(2) 300 kcmil		(2) 4 AWG-(2) 600 kcmil	
Maximum Voltage	600 VDC	600 VDC					
Maximum Current	100A	100 A	200 A	225 A		400 A	
Fuse Range	4A, 6A, 8A, 10A, 12A, 15A	4A, 6 A, 8A, 10A, 12A, 15A, 20A (20A only available for 12 or 24 fused inputs)					
Operating Temperature	-40° F to +122°F (-40° C to +50°C)	-40°F to +122°F (-40° C to +50°C)					
Mounting Locations	Indoor, Outdoor, Wall, Array	Indoor, Outdoor, Wall, Array, Rooftop					
Certifications							
Safety Listings & Certifications	UL 1741, CSA C22.2#107.1	UL 1741, CSA C22.2#107.1					
Certification Agency	ETL	ETL					
Warranty							
Standard	5 year	5 year					
Enclosure							
Dimensions (H x W x D)	8 in. x 12 in. x 20 in. (203 mm x 304 mm x 508 mm)	20" x 16" x 6" (508mm x 406mm x 152mm)	24" x 20" x 6" (610mm x 508mm x 152mm)		30" x 24" x 8" (762mm x 610mm 203mm)		
Weight	18 lbs (8.2 kg)	29 lbs (13.2 kg)	36 lbs (15.5 kg)		75 lbs (34.1 kg)		
Enclosure Rating	NEMA 3R	NEMA 4; Optional NEMA 4X					
Enclosure Finish	Polyester powder coated steel	Polyester powder coated steel; Optional stainless steel					

STRCOM SPECIFICATIONS (STRING COMBINER EXCLUDING DISCONNECT)			
PRODUCT	STRCOM		
Number of Fused Inputs	4 to 12	13 to 24	25 to 30
Input Wire Range	14-6 AWG		
Output Wire Range	4 AWG-250 kcmil	4 AWG-400 kcmil or (2) 1/0 AWG-250 kcmil	
Maximum Voltage	600 VDC		
Maximum Current	60-180 A	195-360 A	375-400 A
Fuse Range	6 A, 8 A, 10 A, 12 A, 15 A, 20 A		6 A, 8 A, 10 A, 12 A, 15 A
Operating Temperature	-13°F to +122°F (-25°C to +50°C)		
Mounting Locations	Indoor, Outdoor, Wall, Array, Rooftop		
Certifications			
Safety Listings & Certifications	UL 1741, CSA C22.2#107.1		
Certification Agency	ETL		
Warranty			
Standard	5 year		
Enclosure			
Dimensions (H x W x D)	24 in. x 20 in. x 6.75 in. (610 mm x 508 mm x 172 mm)		
Weight	40 lbs (18.2 kg)	41 lbs (18.6 kg)	42 lbs (19.1 kg)
Enclosure Rating	NEMA 4; Optional NEMA 4X		
Enclosure Finish	Polyester powder coated steel; Optional stainless steel		


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