

AFCI Combiners



SolarBOS Arc Fault Circuit Interruption (AFCI) Combiner Boxes are ETL listed to UL-1741 & UL-1699B. SolarBOS AFCI Combiners analyze string currents and overall system noise to accurately detect and interrupt series arcs; eliminating false alarms and nuisance tripping.



SolarBOS AFCI Combiner, 600 VDC, 200A contactor, 12 input circuits, NEMA-4X fiberglass enclosure

Product Features

- ETL listed to UL-1741, UL-1699B, CSA C22.2 No. 107.1 & CSA TIL M-07
- 12, 16, 24, or 32 input circuits
- Integrated load break contactor(s)
- 75/90C output terminals
- Touch-safe fuse holders
- Integrated string current monitoring
- "String Arc" Indicating LED's
- Communication via Modbus / RS-485
- NEMA-3R, 4, & 4X rated enclosure options

Available Options

- Compression lugs / Dual output lugs
- Transient surge suppression
- Floating / Bi-polar configurations
- Pre-terminated input conductors



Max Voltage	600 VDC		1000 VDC	
Number of Input Circuits	12 & 16	24 & 32	12 & 16	24 & 32
Input Conductor Size (AWG)	#14 - 8	#14 - 8	#14 - 8	#14 - 8
Max Fuse Size (Amps)	15	15	15	15
Max Rated Current (ADC Continuous)	250	350	175	350
Contactor Control Voltage **	24 VDC	24 VDC	24 VDC	24 VDC
Output Conductor Size Range (AWG)	#6 to 350	#2 to 600	#6 to 350	#2 to 600
Data Output	Modbus / RS-485			
Calibration Tools Required (<i>not provided by SolarBOS</i>)	Handheld Current Clamp Rated for Max Rated Current			
Steel Enclosure Dimensions (Inches) *	20x20x6	30x24x8 / 30x30x8	20x20x6	30x24x8 / 30x30x8
Approx. Weight - Powder Coated or Stainless Steel (Pounds) *	50	55	50	95
Fiberglass Enclosure Dimensions (inches) *	24x20x8	30x24x8 / 36x30x8	24x20x8	30x24x8 / 36x30x8
Approx. Weight - Fiberglass (Pounds) *	40	65	35	65
Enclosure NEMA Ratings	3R / 4 / 4X	3R / 4 / 4X	3R / 4 / 4X	3R / 4 / 4X

* Please note dimensions and weight may vary for floating configurations or any custom solutions. Please contact SolarBOS for details.

** See SolarBOS Contactor Power Supply and Conductor Size Guide