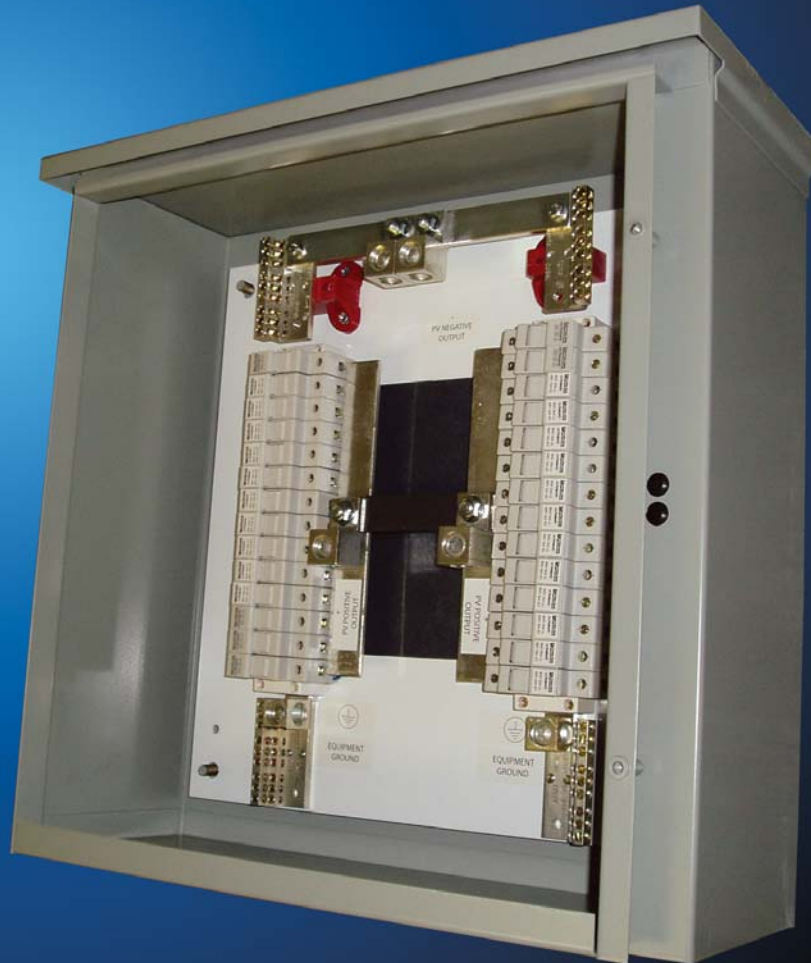


SCCB™ Combiner Boxes



SMA Combiner Boxes for Added Convenience and Safety



Greatly simplifies
input and output wiring

Available in 6 to 52
circuit configurations

Compact, rugged
low cost design

Reliable bus-work for
efficient high current
conductor combining

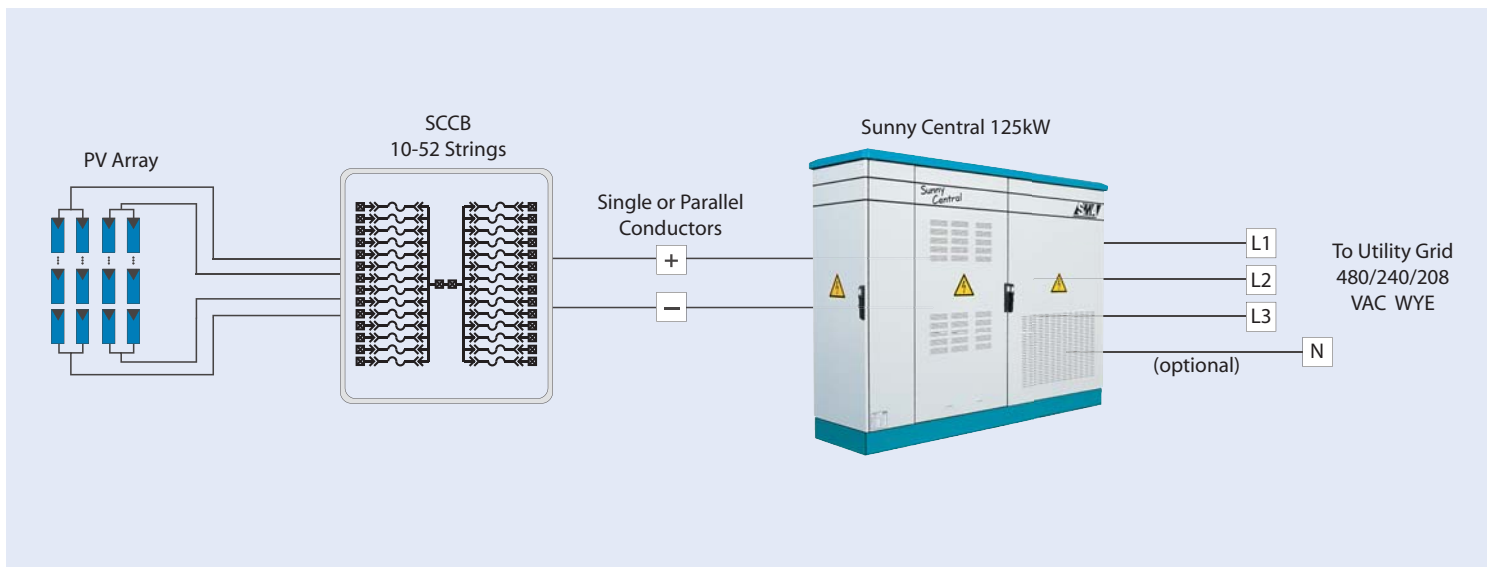
PV positive wires all land
directly on Touch Safe™
fuse holders

Sturdy NEMA 3R/4 wall
mount steel enclosure

ETL Listed to UL 1741

Introducing SMA America's SCCB Combiner Boxes. The SCCB combiners are available in sizes ranging from 6 to 52 PV inputs to provide greater flexibility and expandability in system design. Oversized bus-work adds high efficiency and dependability where it's needed most. The large NEMA 3R/4 enclosure provides ample room for conductors which reduces installation time. Designed with installers in mind, we know you'll find the new SCCB Combiner Boxes a welcome addition to our great line of inverter products.





SMA's new line of SBCB and SCCB combiner boxes is a culmination of our many years worth of experience with the difficulties of combining large numbers of PV strings. This simple component has generally become known as a common point of failure in large PV arrays. The SMA design minimizes the number of components, resulting in the most robust, easy to install, low cost and reliable combiner boxes in the PV industry. PV wires are landed directly to individual Touch Safe™ fuse holders. The fuse holder outputs are combined into heavy-duty bus-bar combs where the output wires are connected to over-sized mechanical lugs. All wiring is routed in an orderly manner through the enclosure, minimizing the chance of shorting caused by pinched or abraded wires. Individual PV string circuit fuses may be safely de-energized and removed by opening the Touch Safe™ fuse holders. No special tools are required. Output wires may be paralleled keeping wire sizes small and easy to pull through conduit. Combiner boxes may be paralleled to increase the total number of PV strings. The steel enclosure is rated for outdoor installations and all SMA combiner boxes are ETL listed to UL1741. Please call for availability of models not listed in the chart below or for special order configurations.

Specifications

Model	SBCB-6 (SB6000)	SCCB-10 through 16 (Sunny Central)	SCCB-18 through 28 (Sunny Central)	SCCB-52 (Sunny Central)
Number of Inputs (Pos & Neg)	6	10 through 16	18 through 28	52
Positive Input Wire Size	10 to 6 AWG	10 to 6 AWG	10 to 6 AWG	10 to 6 AWG
Positive Input Terminal Torque	14 in-lb.	14 in-lb.	14 in-lb.	14 in-lb.
Negative Input Wire Size	10 to 6 AWG	10 to 6 AWG	10 to 6 AWG	10 to 6 AWG
Negative Input Terminal Torque	35 in-lb.	35 in-lb.	35 in-lb.	35 in-lb.
Output Wire Size	6 to 350 AWG	6 to 350 AWG	6 to 350 AWG	6 to 350 AWG
Output Terminal Torque	350 in-lb.	350 in-lb.	350 in-lb.	350 in-lb.
Max. Input Fuse Rating (Midget)	15 A, 600 VDC	20 A, 600 VDC	15 A, 600 VDC	8 A, 600 VDC
Max. Output Current	90 ADC	200 through 320 ADC	270 through 420 ADC	416 ADC
Max. Continuous Output Current	72 ADC	160 through 256 ADC	216 through 336 ADC	333 ADC
Max. Number of Output Wires	1 Pos, 1 Neg	2 Pos, 2 Neg	2 Pos, 2 Neg	2 Pos, 2 Neg
PV Array Configuration	Negative Grounded*	Negative Grounded*	Negative Grounded*	Negative Grounded*
Enclosure Type	NEMA3R, Steel	NEMA3R/4, Steel	NEMA3R/4, Steel	NEMA3R/4, Steel
Weight (Approximate)	11 lbs	48 lbs	56 lbs	70 lbs
Dimensions HxWxD(Inches)	10 x 8 x 6	16 x 16 x 6	20 x 20 x 8	42 x 30 x 8

Other sizes and designs available upon request.
 *Fusing available on positive or negative input, specify when ordering

Available From: