

# Combi-Switch



## Combination DC Disconnect and PV Array Combiner Box



Greatly simplifies  
PV input wiring

4 circuit fused  
input protection

Compact, rugged  
low-cost design

Heavy-duty, lockable,  
visible blade disconnect switch

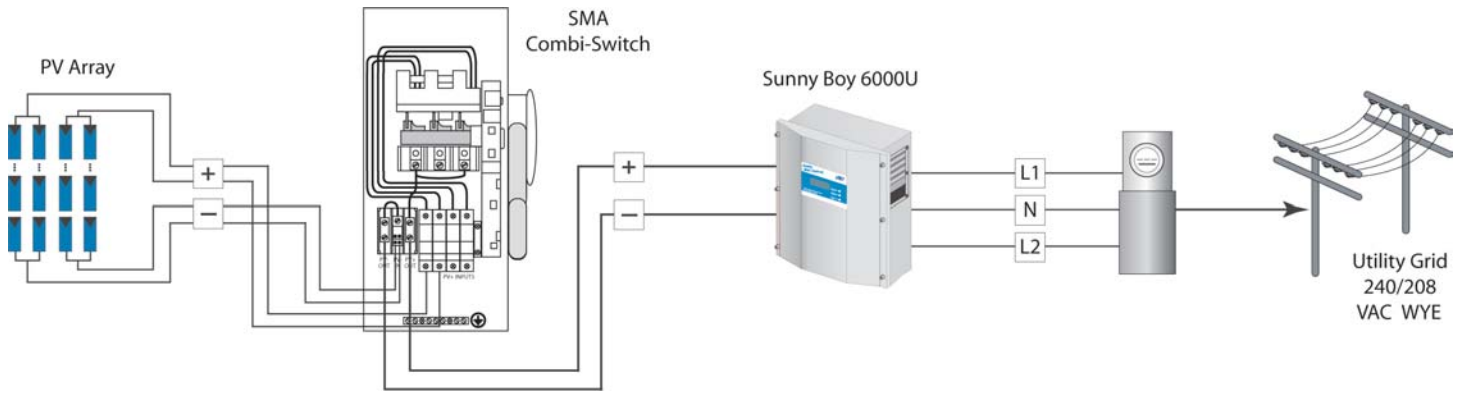
PV positive wires all land  
directly on Touch Safe™  
fuse holders

Sturdy NEMA 3R wall  
mountable steel enclosure

ETL Listed to UL 1741

Introducing SMA America's new Combi-Switch specifically designed for use with the Sunny Boy 6000U inverter. The Combi-Switch conveniently combines both an external DC disconnect switch and PV string fusing all in one compact enclosure. Simply mount the Combi-Switch next to the inverter, connect the field wiring and you're done. The rugged NEMA 3R enclosure allows for outdoor installation. Designed with installers in mind, we know you'll find the new Combi-Switch a welcome addition to our great line of Sunny products.





The new Combi-Switch was specially designed with installers in mind. It provides the code-required external DC disconnect and protection for the SB6000U inverter all in one small enclosure. The Combi-Switch allows for up to four PV strings to be landed on individual Touch Safe™ fuse holders. 10 Amp fuses are provided for PV string over-current protection. The fuse outputs are then combined and routed through the disconnect switch. One pair of wires conveniently connects the entire PV array to the SB6000U's DC inputs. The familiar enclosure is NEMA 3R rated for outdoor installation. Numerous knockout rings are provided for simplified conduit installation. The Combi-Switch is also ETL listed to UL 1741. Please contact your distributor for additional information and availability.

## Specifications

|   |                             |
|---|-----------------------------|
| Number of Inputs                        | 4                           |
| Wiring Configuration                    | Positive or Negative Ground |
| Pos. Input Wire Size                    | 14 to 8 AWG                 |
| Pos. Input Terminal Torque              | 14 in.-lb.                  |
| Neg. Input Wire Size                    | 14 to 8 AWG                 |
| Neg. Input Terminal Torque              | 35 in.-lb.                  |
| Output Wire Size                        | 6 to 2 AWG                  |
| Output Terminal Torque                  | 40 in.-lb.                  |
| Max. Input Fuse Rating                  | 10 A, 600 VDC, Midget       |
| Max. Output Current                     | 40 ADC                      |
| Max. Voltage                            | 600 VDC                     |
| Max. Cont. Output Current               | 32 ADC                      |
| Max. Number of Outputs                  | 1 Positive, 1 Negative      |
| Enclosure Type                          | NEMA 3R, Steel              |
| Weight                                  | 10 lbs. (approx.)           |
| Dimensions (with handle) HxWxD (inches) | 15.0 x 7.75 x 5.75          |

Available From:



Combi-Switch Interior