



Solar Circuit Protection Made Simple

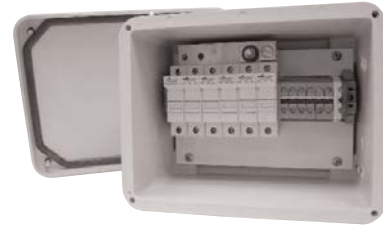
Overcurrent & Overvoltage Safeguard Solutions In-A-Box

- Complete combiner box offering of compact, standard (600Vdc and 1000Vdc), disconnecting, and recombiner configurations to meet most specification needs
- Reduce installation and material costs by combining solar array circuits
- UL 1741 listed to conform to the highest quality
- New Cooper Bussmann® PV Surge Protective Device (SPD) option is available for superior overvoltage protection
- Wireless current monitoring option available for remote monitoring
- QuikShip on most popular configurations



Compact Combiner Boxes (BCBC/BCBCT Series)

Compact combiners provide a low-cost and space-saving solution to combine up to 6 photovoltaic panel input circuits into a single output going to the inverter. This series is geared towards residential and small commercial solar applications. The BCBCT passthrough variant combines the positive inputs and lets the negative inputs pass through without being combined. This product series uses time-tested Cooper Bussmann 600Vdc DCM and KLM fuse lines to provide the most reliable over-current protection on the market, and finger-safe fuse holders for increased safety. Available in a NEMA 4X polycarbonate enclosure with external mounting feet.



Standard Combiner Box (BCBS 600Vdc and 1000Vdc Series)

Standard combiners offer the means to combine up to 24 solar circuits into a single output, which is ideal for medium to large commercial applications. This series comes in 600Vdc configurations (with Cooper Bussmann DCM/KLM fuses) and 1000Vdc configurations (with Cooper Bussmann PV Solar fuses) for project flexibility. Both series configurations boast finger-safe fuse holders for increased safety, provide variations for both positive and negative grounded arrays, and use 90°C rated output terminals. Available in NEMA 3R, 4, or 4X fiberglass enclosure configurations.



Integrated Disconnect Combiner Box (BCBD Series)

The integrated disconnect combiner box provides an all-in-one package for circuit combination with a disconnecting means, in order to save time and money during both the design and implementation phases of a project. With the same features as the 600Vdc standard combiner configurations, the disconnect combiner series adds the ability to break the current going to the inverter for safety and ease of maintenance, and provides lockout/tagout capability for regulatory compliance. The breaking ampacity options are 28, 55, 75, 150 or 245A. Available in NEMA 3R, 4, or 4X fiberglass enclosure configurations.



Recombiner (Array Combiner) Box (BCBR Series)

The recombiner box combines the outputs of multiple string combiners (typically standard or disconnect combiners) into one or more outputs going to the inverter. This series is applicable to large solar array projects where many combiner boxes are specified and the inverter doesn't have enough input circuits. With a 100A or 200A case size category, the recombiner showcases the fast-acting 600Vdc Class RK5 PVS-R fuse specifically designed to protect solar power systems in extreme ambient temperature, high cycling and low level fault current conditions. Available in NEMA 3R, 4, or 4X fiberglass enclosure configurations.



Integrated Surge Protection Device (SPD)

The Cooper Bussmann SPD device is the only true UL 1449 3rd edition recognized SPD on the market, and it protects photovoltaic systems from damaging surges that PV installations are vulnerable to (i.e. lightning strikes and static discharges). Made of finger-safe material, the SPD device is available in 600Vdc, 1000Vdc, or 1200Vdc variants with easyID™ visual indication and optional remote contact signaling. The SPD can be integrated in standard or disconnect combiner boxes.



Current Monitoring Device

Integrating a current monitoring device in a standard or disconnect combiner box is the most cost-effective way of monitoring and maintaining solar arrays that span large areas. Based on Obvius solar current monitoring (SCM), this device provides a unique "Mesh" technology that optimizes routing of communications with no configuration. Twisted pair output and wireless communication are available and come in 8 or 16 input circuit monitoring units.

