

DISCONNECTING COMBINER BOXES FOR THE SOLAR INDUSTRY

Custom Process Solutions solar disconnecting combiner boxes offer integral load-break 1000VDC 250Amp disconnects. They are completely "Finger Safe" and ETL/cETL listed to UL 1741 and CSA C22.2 #107.1.

Custom Process Solutions combiners can be ordered with 8 to 24 input poles and NEMA-3, 3R, 4 or 4X steel, stainless steel or fiberglass enclosures. All combiner can be supplied with Transient Voltage Surge Suppression (TVSS).

Features

- ETL Listed to UL 1741 and CSA C22.2 #107.1. ETL Report No. 100087100LAX-001.
- 8 to 24 input pole options available
- 1000VDC 250Amp integral disconnect switch
- Operating Temperature -30 to 50 °C
- Enclosure and all internal components are completely "Finger Safe"
- Completely Bolted (M10) mechanical lug output connections. No more loose compression screw connections that can cause electrical hazards
- NEMA-3, 3R 4 & 4X Enclosure Options. NEMA-4x Enclosures can be stainless steel or fiberglass
- Blown input fuse indication
- Transient Voltage Surge Suppression (TVSS) option available on all models



16 Pole Disconnect Combiner Shown

Disconnecting Combiner Box Specifications:

NUMBER OF INPUT POLES	8 to 16	17 to 20	21 to 24
COMBINER RATING	250A @1000VDC	250A @1000VDC	250A @1000VDC
MAXIMUM DISCONNECTING CURRENT	250A	250A	250A
MAXIMUM VOLTAGE	1000VDC	1000VDC	1000VDC
INPUT CONDUCTORS	#18 TO #8	#18 TO #8	#18 TO #8
MAX FUSE SIZE (10x38mm MIDGET)	25A	25A	25A
OUTPUT CONDUCTORS (M10 Bolted)	#14 TO 250MCM	#14 TO 250MCM	#14 TO 250MCM
NEMA-3/3R ENCLOSURE STEEL	20x20x8	24x20x8	30x24x8
NEMA 4 ENCLOSURE STEEL	20x20x6	24x20x8	30x24x8
NEMA 4X ENCLOSURE FIBERGLASS	20x20x8	24x20x8	30x24x8
NEMA 4X ENCLOSURE STAINLESS STEEL	20x20x6	24x20x8	30x24x8

Part Number Matrix: DCB-AA-BBB-CCCC

DCB	Disconnecting Combiner Box	
AA	# of Input Poles	8 - 24
BBB	Enclosure Type	3, 3R, 4, 4XSS (stainless steel), 4XF (Fiberglass)
CCCC	TVSS for surge protection, leave blank for no protection	