

# Combiner Box

xantrex

## PV Series Accessory



CB-10



CB-12



### Applications

- ▶ The CB-10H15-3R and CB-10H8-3R are low cost solutions to combine and fuse multiple high voltage PV arrays in industrial applications.
- ▶ The CB-12H20-3R and CB-12H20-4 are 12-circuit combiner boxes for use in residential and industrial applications. The CB-12H20-3R comes in a standard 3R enclosure, while the CB-12H20-4 comes in a watertight, NEMA 4 enclosure, allowing for different orientations.

### Features

- ▶ Rated for 600 volts DC.
- ▶ Uses midget type KLKD fuses.
- ▶ UL 1741 Listed.

#### CB-10H15-3R

- ▶ Rated for 120 amp output current.
- ▶ Combines ten 15 amp fused circuits.
- ▶ Compact NEMA 3R enclosure.

#### CB-10H8-3R

- ▶ Incorporates a blocking diode in series with each circuit to prevent back-feeding of PV modules in an array that is partially shadowed.
- ▶ Rated for 64 amp output current.
- ▶ Combines ten 8 amp fused circuits.
- ▶ Compact NEMA 3R enclosure.

#### CB-12H20-3R

- ▶ Integral fuse cover/puller.
- ▶ Rated for 192 amp output current.
- ▶ Combines twelve 20 amp fused circuits.
- ▶ NEMA 3R enclosure.

#### CB-12H20-4

- ▶ Integral fuse cover/puller.
- ▶ Rated for 192 amp output current.
- ▶ Combines twelve 20 amp fused circuits.
- ▶ NEMA 4 enclosure.

### Options

- ▶ CB-12H20-3R and CB-12H20-4 models offer an optional touch safe panel.

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# Combiner Box

## High Voltage, PV Series Accessory

### Electrical Specifications

Model	CB-10H15-3R	CB-10HD8-3R	CB12H20-3R	CB-12H20-4
Maximum DC Voltage	600 VDC	600 VDC	600 VDC	600 VDC
Maximum Fuse Size	15 amps	8 amps	20 amps	20 amps
Maximum Source Current	9.6 amps	5 amps	12.8 amps	12.8 amps
Maximum Rated Output Current	120 amps	64 amps	192 amps	192 amps
Source Wiring Range	#14 to #8	#14 to #8	#14 to #6	#14 to #6
Output Wire Range	#6 to #2	#6 to #2	(2) #14 to (2) 1/0	(2) #14 to (2) 1/0

### General Specifications

Enclosure Type	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 4
Unit Weight	13 lb (5.9 kg)	13 lb (5.9 kg)	19 lb (8.6 kg)	19 lb (8.6 kg)
Shipping	14 lb (6.4 kg)	14 lb (6.4 kg)	20 lb (9.1 kg)	20 lb (9.1 kg)
Dimensions (H x W x D)	12" x 12" x 6" (30.5 cm x 30.5 cm x 15.3 cm)		16" x 12" x 6" (40.6 cm x 30.5 cm x 15.3 cm)	
Shipping Dimensions (H x W x D)	19.5" x 12.75" x 8" (49.5 cm x 32.4 cm x 20.3 cm)		19" x 13" x 9.5" (48.3 cm x 33 cm x 24.1 cm)	
Mounting	Vertical wall mount, using integral mounting tabs with appropriate hardware (not included)			
Part Numbers	1-151258-01	1-151381-01	1-151260-01	1-151382-01

### Regulatory Approvals

Listed to UL1741

- ▶ A suitable DC rated system disconnect shall be used in conjunction with the installation of this equipment.
- ▶ Chassis ground may be accomplished using supplied ground screw in base of unit.

Note: Specifications subject to change without notice.