



# 1500V DUAL-FUSED COMBINER

## ABOUT

The Shoals™ 1500V Dual-Fused Combiner series is designed for your floating ground array and is utilized to combine one or more strings per circuit when the fuse size does not exceed 32A.

Lab-proven under full load during static heating sequence testing with fuses installed, the 1500V Dual-Fused Combiner is designed for maximum durability and years of uninterrupted, real-world service.

## FEATURES

- Finger-safe fuse holders
- 400A, 1500V disconnect, 100% load-break rated
- Plated bus bars rated for 90°C, Cu/Al
- 2-hole NEMA 1/2" x 1-3/4" mounting configuration
- Breather vent reduces internal condensation
- Safety shield covers all live components
- Designed for ease of cable installation
- Surge protection device, Type I
- NEMA 4X pad-lockable enclosure
- Standard 5-year warranty
- ETL certified to UL1741

## OPTIONS

- Pre-terminated whips with connectors
- Pre-punched conduit knockouts
- Pre-installed NEMA 4X glands
- Pre-installed HDG uni-strut
- Pre-installed HDG mounting kits
- Pre-installed drain vent

### TECHNICAL INFORMATION

### STG.CBC.xx.CyAHNC21K0-DF<sup>(a)</sup>

Max. System Voltage	1500 VDC
Rated Output Current	400A
Max. Short Circuit Current (Isc)	20.5A
Max. Overcurrent Protection	32A
Number of Input Circuits	12, 16, 18, 20, or 24
Positive Input Wire Size	6-14 AWG
Negative Input Wire Size	4-14 AWG
Positive Output Wire Size	Up to (1) 750 MCM or (2) 600 MCM
Negative Output Wire Size	Up to (1) 750 MCM or (2) 600 MCM
Ground Wire Size	(2) 1/0-14 AWG and (18) 4-14 AWG
Enclosure Rating	Type 4X
Max. Ambient Temp. Rating	50°C
Enclosure Size (H x W x D)	36" x 30" x 10" <sup>(b)</sup>
Approximate Weight	115 lbs

(a) xx = number of inputs (12, 16, 18, 20, or 24)

y = "M" for 12, "L" for 16, "K" for 18, or "J" for 20 and 24

(b) Dimension refers to trade size. See project drawings for exact dimensions.

Product design and specification subject to change or modification without notice.

