



Engineering Specification Sheet
String Inverter Disconnect Combiner Box with Dual MPPT Outputs

GENERAL INFORMATION

- Description: 2 Circuit Dual Fusing String Inverter Combiner box available with 55A @ 1000Volts Load Break Disconnect Switch.

Dimensions:

- NEMA 4X Fiberglass (Optional)
NEMA 4 Steel (Optional)
NEMA 4X Stainless Steel (Optional)

Part number

- PR-2CIR-55AD-Z*xZ*-Y*A-FG
PR-2CIR-55AD-Z*xZ*-Y*A-S
PR-2CIR-55AD-Z*xZ*-Y*A-SS

Z* = Configured Number of Ungrounded Strings
Y* = Fuse size (fuses supplied)
Fusing Both POS & NEG Inputs

**Enclosure sizes will vary depending on configured string count and disconnect amperage.

- Fuse holders: finger safe fuse holders. 30A, 1000VDC rated.

TECHNICAL SPECIFICATIONS

- Disconnect Switch: 55A @ 1000VDC UL508i/IEC 60947-3 Compact Load Break Disconnects
Input Wires: Fuses: Z* total, 6-14AWG, 90°C, Cu Wire
Output Wires: To inverter: 1 ea., #16-4AWG, 90°C, Cu/Al Wire
Dual term block output available on request
Ground Terminals: (12) each 4-14AWG, 90°C, Cu/Al Wire
Operating Temperature, Humidity: -10°C to +60°C (15°F to 130°F), 0-100% Humidity
Busbars: C11000 Alloy (Copper), electroplated to prevent corrosion. Rated continuous duty.

FEATURES

- Labeling: Outdoor rated vinyl labels or silk screening.
Mounting panel: Custom Galvanized steel
Door: Provisions for Pad-lock

OPTIONS

- Surge Protection: Pre-wired 1000VDC rated transient surge suppressor.
Pigtails: Pre-Wired POS and NEG pigtails with female and male H4 Connectors terminated thru HEYCO cord grips.
Monitoring: String current monitors capable of monitoring up to 24 strings at +/- 1% accuracy. 2 Wire, Modbus RTU output.
Output Lugs: Optional terminal block outputs provide numerous wire configurations. Please specify your needs accordingly.

APPROVALS

- Listed to UL1741, CAN/CSA C22.2 Listed @ 1000Volts



