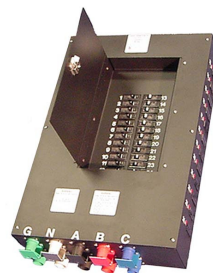


CUSTOM PORTABLE POWER DISTRIBUTION

**Distros for
Studio
Events
Convention Centers
Stadiums
Stage
AV**



www.unionconnector.com

Bulletin: CPD-113

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Custom Distros



Union Connector has specialized in custom distro design and manufacture for more than 40 years. Designs range from simple 20A. breakout boxes to outdoor, 3-phase power centers on wheels with multiple branch circuits and combinations of receptacle styles.

We use state-of-the-art 3D CAD/CAM manufacturing technology to design and fabricate our products. This reduces production time and provides high-quality gear for a reasonable cost.

Contact our engineering department to discuss your needs and see how we can help provide you with a safe, reliable, UL Listed, distro.

Features and Options:

- ULc Listed
- Powder Coated Steel or Anodized Aluminum enclosures
- Copper wiring and bussing
- Ratings: 120V., 120/240V., 120/208V.
- Branch-rated circuit breakers
- Pigtail or Panel-mount Input
- Inlet/Outlets: Cam, Stage Pin, NEMA(Edison & Locking), Pin & Sleeve, 19-pin
- Reverse Ground/Neutral Option
- Feed-thru Option
- Isolated Ground Option
- NEMA 3R Options
- Rack and Case mount Options
- Main breaker Option
- Accessories: Wheels, Handles, Floorstands

Examples of Pigtail Boxes



Convention Center Booth Distro

- Enclosure:** NEMA 1, 12" x 6" x 6", anodized aluminum
- Inlet:** Pigtail, 12 ft. 6/4SO, 60A., 240V., NEMA14-60
- Circuit Breakers:** Molded-case, UL489, 10K AIC @ 240V.
(6) 20A., 1-pole
- Outlets:** (6) 20A., 125V., duplex – 3 per phase
- Feed-Thru:** (1) 60A., 240V., NEMA 14-60
- Listing:** UL Listed



Music Pavilion Distro

- Enclosure:** NEMA 1, 24" x 10" x 14", anodized aluminum
- Inlet:** Pigtail, 12 ft. (5) #2SC, 100A., 120/208V., IEC 309 Pin & Sleeve
- Circuit Breakers:** Molded-case, UL489, 10K AIC @ 240V.
(3) 30A., 2-pole
(3) 20A., 2-pole
(9) 20A., 1-pole
- Outlets:** (3) 30A., 125/250V., L14-30
(3) 20A., 250V., L6-20
(6) 20A., 125V., 5-20 duplex (Black/Red/Blue)
(3) 20A., 125V., 5-20 duplex Isolated Ground
- Listing:** UL Listed



Convention Center Floorbox Distro

- Enclosure:** NEMA 1, 12" x 6" x 6", powder coated steel
- Inlet:** Pigtail, 6 ft. 10/5SO, 30A., 120/208V., NEMA L21-30
- Circuit Breakers:** Molded-case, UL489, 10K AIC @ 240V.
(6) 20A., 1-pole
- Outlets:** (6) 20A., 125V. GFCI duplex – 2 per phase
- Listing:** UL Listed



Examples of Small Distros



Motor Reversing/Control Distro

- Enclosure:** NEMA 1, 24" x 6" x 6", powder coated steel
- Inlet:** Panel mount, 30A., 120/208V. L21-30
- Circuit Breakers:** Molded-case, UL489, 10K AIC @ 240V., switch-rated
 (1) 30A., 3-pole Main
 (4) 20A., 3-pole
 (1) 20A., 1-pole
- Switch:** 30A., DPDT, center OFF
- Outlets:** (4) 20A., 120/208V., L21-20
 (1) 20A., 125V., 5-20 duplex
- Feed-Thru:** 30A., 120/208V. L21-30
- Listing:** UL Listed



A/V Distro

- Enclosure:** NEMA 1, 12" x 6" x 6", powder coated steel
- Inlet:** Panel mount, 30A., 120/208V. L21-30
- Circuit Breakers:** Molded-case, UL489, 10K AIC @ 240V.
 (2) 20A., 2-pole
 (2) 20A., 1-pole
- Outlets:** (4) 20A., 125/250V. L14-20
 (4) 20A., 125V., 5-20 duplex (Black/Red)
- Listing:** UL Listed



Studio Distro on casters

- Enclosure:** NEMA1, 12" x 6" x 5", anodized aluminum, wall mount brackets
- Inlet:** (5) 400A., 120/208V., Panel Mount Cam Series 16
- Circuit Breakers:** Molded-case, UL489, 10K AIC @ 240V.
 (4) 100A., 1-pole
- Outlets:** (4) 100A., 120V., 100-2P&G Stage Pin (Red/Black/Red Blue)
- Feed-Thru:** (5) 400A., 120/208V., Panel Mount Cam Series 16
- Listing:** UL Listed



Examples of Large Distros



Studio Distro on casters

- Enclosure:** NEMA1, 24" x 10" x 14", anodized aluminum
- Inlet:** (5) 400A., 120/208V., Panel Mount Cam Series 16
- Circuit Breakers:** Molded-case, UL489, 10K AIC @ 240V.
 (3) 100A., 1-pole
 (3) 60A., 2-pole
 (3) 60A., 1-pole
 (12) 20A., 1-pole
- Outlets:** (3) 100A., 120V., 100-2P&G Stage Pin (Black/Red Blue)
 (3) 60A., 240V., 60-2H&G Stage Pin
 (3) 60A., 120V., 60-2P&G Stage Pin (Black/Red Blue)
 (12) 20A., 125V., 5-20 duplex (Black/Red Blue)
- Listing:** UL Listed



Cruise Ship Audio Distro

- Enclosure:** NEMA1, 14" x 10" x 14", anodized aluminum
- Inlet:** (1) Panel Mount, 100A., 120/208V. IEC309 Pin & Sleeve
 (1) Mini-Cam (Green) Frame Ground
- Circuit Breakers:** Molded-case, UL489, 10K AIC @ 240V.
 (12) 20A., 1-pole
- Outlets:** (12) 20A., 125V., 5-20 duplex, Isolated Ground
- Listing:** UL Listed



A/V Distro

- Enclosure:** NEMA1, 24" x 10" x 14", anodized aluminum
- Inlet:** (5) 400A., 120/208V., Panel Mount Cam Series 16
- Circuit Breakers:** Molded-case, UL489, 10K AIC @ 240V.
 (27) 20A., 1-pole
- Outlets:** (4) 20A., 120V., 19-Pin, 6-circuit Soca type
 (3) 20A., 125V., 5-20 duplex (Black/Red Blue)
- Listing:** UL Listed



Examples of Load Center Distros



Arena Floor Distro

Enclosure: NEMA1, 16" x 16" x 4", powder coated steel
Inlet: (1) Panel Mount, 30A., 125/250V., L21-30
Circuit Breakers: Plug-on, UL489, 10K AIC @ 240V.
Breakers: (8) 20A., 1-pole
Outlets: (8) 20A., 125V., 5-20 duplex
Listing: UL Listed



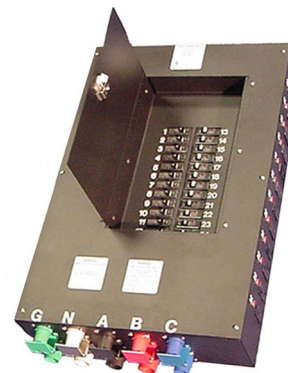
Convention Center Distro

Enclosure: NEMA1, 30" x 16" x 4", hinged door, powder coated steel
Inlet: (5) 200A., 120/208V., Panel Mount Cam Series 16
Circuit Breakers: Plug-on, UL489, 10K AIC @ 240V.
Breakers: (1) 150A., 3-pole Main
 (2) 30A., 2-pole
 (16) 20A., 1-pole
Outlets: (2) 30A., 125/250V., L14-30
 (16) 20A., 125V., 5-20 duplex
Listing: UL Listed



Event Center Distro

Enclosure: NEMA1, 24" x 16" x 4", hinged door, powder coated steel
Inlet: (5) 400A., 120/208V., Panel Mount Cam Series 16
Circuit Breakers: Plug-on, UL489, 10K AIC @ 240V.
Breakers: (24) 20A., 1-pole
 (16) 20A., 1-pole
Outlets: (16) 20A., 125V., 5-20 duplex
Feed-Thru: (5) 400A., 120/208V., Panel Mount Cam Series 16
Listing: UL Listed



Examples of Outdoor Distros



Carnival Distro

- Enclosure:** NEMA3R, 24" x 18" x 10", powder coated galvanized steel, shed roof, NEMA 3R breaker/outlet covers, 12" formed legs
- Inlet:** (5) 400A., 120/208V., Panel Mount Cam Series 16
- Circuit Breakers:** Molded case, UL489, 10K AIC @ 240V.
(9) 20A., 3-pole
(3) 20A., 1-pole
- Outlets:** (9) 20A., 120/208V. L21-20
(3) 20A., 125V., 5-20 duplex
- Feed-Thru:** (5) 400A., 120/208V., Panel Mount Cam Series 16
- Listing:** UL Listed



Stadium Distro

- Enclosure:** NEMA3R, 42" x 30" x 10", hinged door, powder coated steel, ASA Grey 61, hinged cable access trapdoor, welded legs
- Inlet:** (5) 400A., 120/208V., Panel Mount Cam Series 16
- Circuit Breakers:** Molded case, UL489, 10K AIC @ 240V.
(1) 100A., 3-pole Main
(18) 20A., 1-pole
- Outlets:** (18) 20A., 125V., 5-20 GFCI duplex
- Listing:** UL Listed



Outdoor Arena Distro

- Enclosure:** NEMA3R, 18" x 10" x 6", anodized aluminum, NEMA3R breaker/outlet covers, formed steel legs
- Inlet:** (3) 100A., 120V., Panel Mount mini-Cam Series 15
- Circuit Breakers:** Molded case, UL489, 10K AIC @ 240V.
(10) 20A., 1-pole
- Outlets:** (10) 20A., 125V., 5-20 GFCI duplex
- Listing:** UL Listed



Distro Accessories



Cables

Cable connections to and from distros should be made with extra heavy duty rated cables such as S, SO, SOW multi cables or SC single conductor cables. Junior rated cables such as SJ may be allowed in certain applications, such as two-fers.

Union connector can provide complete cabling packages using the appropriate sized cables and connector combinations. Our cables follow NEC guidelines and are tested to insure proper continuity.

All Union Connector cables are manufactured per order so that we can provide the best solution to your power distribution needs. Contact the factory to discuss your specific requirements and to obtain a quote based on the current price of copper cable.



Connectors

Union Connector manufactures and distributes a wide range of wiring devices, including the types most commonly used in the entertainment industry:

- Stage Pin
- Cam
- Locking
- Edison
- Pin & Sleeve
- 19-pin



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