

AC Power Distro Systems

By George Petersen

Once upon a time, a typical sound company's power distribution setup was strictly DIY. However, in these days of modern, sophisticated audio, backline, video and lighting systems, it pays to make an investment in clean, dependable power. Along with a wide selection of high-quality, reliable distros, most of the manufacturers whose products are listed here will be happy to meet your specific needs with a custom solution that fits your requirements. Check these out!

AC Power Distribution CJ-1200 Cam Mini Spider



Input Feed: 120/208V 3-phase 400A Cam-Lok 3
Outputs: 3-phase 5-wire Cam-Lok outputs
Enclosure Type: NEMA Type 1
Dimensions: 14.5" x 10.5" x 10"
Compliance: UL, cUL
Weight: 77 pounds

Comments: This box design is a convenient way to split feeder runs without clusters of tapping T's and three-fers. Also available in 2-in/3-out (parallel) config.

acpowerdistribution.com

Applied Electronics Full Distro Racks



Input Feed: 120/240V Single Phase or 120/208V 3-phase; 400A cam connectors with pass-thru & 80, 100, 200, 250 or 400A main breaker
Outputs: Mix any 110V or 208V 19-pin; 15-50A, 1/2-3-pole twist-lock; duplex Edison or PowerCon.
Enclosure Type: ATA-style aluminum-lined rolling rack
Dimensions: 21" x 25" x as required
Compliance: UL listed
Weight: Varies by configuration
Comments: Custom: accessories include power monitoring; AE Omni 5, 10 or 2x5 port DMX splitters; custom logos and integrated rack lighting

appliednn.com

Leprecon LPD Series



Input Feed: Single/parallel cam-type connectors rated for 400A. LED indicators/meter test jacks on parallel cam panels.
Mains: 100A, 250A, 400A & 300A/200A; single/3-phase switchable mains breaker
Outputs: Edison, stage pin, 110/208V 19-pin multi-connectors, all NEMA locking connector types: 15A, 20A, 30A, 50A
Enclosure Type: ATA style with casters
Dimensions: Varies by configuration
Compliance: UL
Weight: Varies
Comments: 110/208V parallel load connections. Options include digital volt meter, amp meter, Littlite LED Raklite.

leprecon.com

Lex Products Presidential PowerRACK



Input Feed: 400-amp, 3-phase, 5-wire male Cam Panel Mount
Outputs: (8) 120V and (8) 208V 6-circuit receptacles (parallel)
Enclosure Type: 18 RU 19" PowerRACK
Dimensions: 26.0" x 24.0" x 39.5"

Compliance: UL, cUL
Weight: 265 pounds
Comments: Extruded aluminum frame combined with high-density polyethylene (HDPE) create a lightweight, strong and durable rack enclosure.

lexproducts.com

Link PDlink Small Lighting Distro



Input: 200A main input with Cam-Lok in and pass-thru
Outputs: Digital multi-function power meter-network output; (4) sets of LKS Data 120/208V outputs; shared 2-pole breakers; (4) L21-30 outlets; Edison duplex outlets
Enclosure Type: Free-standing 19" rack mount
Dimensions: 19" x 13U
Comments: With units built specifically for overseas and North American markets, PDlink power and signal distribution products are available in various sizes designed to meet the needs of audio, video and lighting production.

linkusa-inc.com

DADCO DAD 2400 SC Super Cam Thru Spider Box



Input Feed: 2,400 amps total: 120/208 VAC, 800A per phase, Cam-Lok
Outputs: 120/208 VAC, 800A per phase, Cam-Lok
Enclosure Type: Type 1
Dimensions: 24" x 9.5" x 14"
Compliance: UL 1640 ETL
Weight: 83 pounds

Comments: Available 2-in/6-out; 4-in/4-out; 480V units available.

dadcopowerandlights.com

EMG Custom MPD Series



Input Feed: 120/208V or 120/240V up to 400A single or 3-Phase, Cam-Lok or Pin- Sleeve
Outputs: Customizable configurations of Twist-Lock, Socapex, Edison, PowerCON and Pin and Sleeve
Enclosure Type: Custom Rolling ATA
Dimensions: Varies by configuration
Compliance: UL, cUL
Weight: Varies by configuration
Comments: Configuration based on wide variety of rack module designs, supporting inputs/outputs, breakers and combos. Custom solid-panel layout designs.

emgrp.com

EPS 24-Circuit 208V/120V Power Distros



Input Feed: Hubbell single pole cam-style 400A rated 3-phase power input, reversed ground and neutral
Outputs: (4) Hubbell NEMA 520R Edison duplex receptacles, (4) 208V Phase3 19-pin multi-connectors, (4) 120V Phase3 19-pin multi-connectors, (4) L6-20/208V connectors
Enclosure Type: Aluminum-lined ATA road case with casters
Dimensions: 38.75" x 27" x 22" (w/casters)
Compliance: UL, cUL Listed; UL1640 standard
Weight: 215 pounds
Comments: Other UL/cUL listed configurations also available; custom engraving on request.

entertainmentpowersystems.com

Motion Labs Modular Series 1300-200A



Input Feed: 200-amp 3-phase 120/208Y Cam-Lok in/thru, RGN (bused for 400A)
Outputs: (6) 30A 125/250V (NEMA L14-30), (6) 30A 120/208Y (NEMA L21-30), (6) Edison duplex
Enclosure Type: 12-rackspace/2-sided, shock-mounted road case
Dimensions: 12 RU tall; 31-inches deep
Compliance: ETL listed
Comments: Motion Labs offers both custom and pre-configured designs — such as this 1300-20A — in standard formats for lighting, audio and AV applications.

motionlabs.com

PRG Series 400 Power & Data Distribution System



Input Feed: 120/208 VAC, 400-amp; Cam-Lok
Outputs: (72) 15-amp devices w/single, dual and 3-phase 120/208v outputs
Enclosure Type: 19" rack
Dimensions: 47" x 21" x 26"
Compliance: ETL
Weight: 305 pounds

Comments: Modular integrated power/data distribution. One rack supports power for 72 15-amp devices w/single, dual and 3-phase 120/208V outputs. Includes digital power metering, integrated DMX A/B switch and onboard diagnostics.

prg.com

Quantum Energy Design Touring Power Distro Range



Input Feed: 120/208V, 3-phase
Outputs: 250 amps; Cam in/thru in any combination
Enclosure Type: NEMA Type 1, steel box within a road case
Dimensions: 28" x 19" x 18"
Compliance: UL 1640, UL 508A
Weight: Varies by configuration
Comments: Numerous variations and options offered

qedinc.tv

Gear Box Pro SOCA PCH-6



Input Feed: 20A X6/240V 3-phase
Outputs: 6 independent circuits
Enclosure Type: Solid one-piece aluminum extrusion
Dimensions: 5.5 x 3 x 2"
Compliance: Special Inspection UL
Weight: 4 pounds
Comments: Part of a line of rigging-friendly SOCA breakouts, this features integrated fly-track for suspending in truss or behind speaker clusters.

gearboxpro.com

Generico Power Distribution



Enclosure Type: Custom rolling ATA
Dimensions: Varies by configuration
Weight: Varies by configuration
Comments: Generico power distribution racks and boxes are available to suit most requirements for portable power distribution with ETL-listed equipment. Pictured here are 72 x 20 amp 120-volt racks with main breaker.

genericoep.com

Indu-Electric 001 Cube Link



Input Feed: 400A 3-phase locking Cam 1 pass-thru
Outputs: (12) 20A 120VAC duplex outlets
Enclosure Type: Rugged, non-conductive enclosure
Dimensions: 15" x 10" x 8.25"
Compliance: UL 94 V0 rated
Weight: Varies by configuration
Comments: 6-inch ground-clearance stand; fully enclosed color-coded cam covers. Multiple configurations, such as Cam, pin & sleeve, 19-pin, straight blade, twist-lock and GFCI are available in standard or custom configs.

indu-electric.com

Ramtech RAM-1X4-CAM-SOCO



Input Feed: Cam-Lok
Outputs: (4) Socapex
Enclosure Type: Fully enclosed rack unit
Dimensions: 10 RU, 8.5" deep
Compliance: All UL components
Weight: 40 pounds
Comments: Custom units and many configurations available. Unique self-enclosed chassis makes for added safety.

ramtech.net

TMB ProPower RPD



Input Feed: 120/240V or 120/208V; up to 400A single- or 3-phase;
Cam-Lok or pin & sleeve Outputs: Wide selection of configurations available.
Enclosure Type: Rolling ATA flight case
Dimensions: Varies by configuration
Compliance: UL, cUL
Weight: Varies by configuration
Comments: Configuration can be specified from numerous input/output panels. Optional dimming and signal panels available; 19-pin "pin out" indicator display.

tmb.com

Whirlwind Power Link PLD



Input Feed: Hubbell CAM-type 15 or 16-series, CEE-Form 60309
Output Feed: Hubbell 20A duplex, powerCON 20A, powerCON TRUE 1, Hubbell (NEMA) Twist-Lock, SSX P19
Enclosure Type: Whirlwind Cyclone road case, optional pocket doors
Dimensions: 22.5" x 30" (truck pack), 8-RU to 30-RU
Compliance: UL 1640
Comments: Wide range of configurations available, featuring Carling hi-inrush, hyd/mag breakers; PL-PM1RJ with remote monitoring and triple power supplies; Colson 480# 4x2" casters; UL94 marine-grade UHMW polyethylene.

whirlwindusa.com