

AC Power Distro Systems

By George Petersen

To have a great show, you need clean, dependable power, and today's productions require plenty of it for audio, backline, video and lighting. In the days of yore, most sound companies had to DIY their power distro systems, but these days, there's little need for that with an ample selection of quality, reliable products that literally take the bite out of supplying a clean, safe AC power feed. It should be noted that the following represent samplings from the manufacturers' lines, and most offer a number of other products —stock and custom — to check out, so URLs are provided for each company.

AC Power Distribution CJ1200 Cam Mini-Spider

Input Feed: 120/208V 3-phase 400A Camlock 3
Outputs: 3-phase 5-wire Camlock outputs
Enclosure Type: NEMA Type 1
Dimensions: 14.5" x 10.5" x 10"
Compliance: UL, cUL
Weight: 77 pounds
Comments: Three-fer in a 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) configuration.



acpowerdistribution.com

Leprecon Power Distribution PD Series

Input Feed: Switchable single/3-phase
Outputs: Varies by configuration
Enclosure Type: 12U ATA style with casters
Dimensions: 25" x 20.8" x 28"
Compliance: N/A
Weight: 125 pounds
Comments: Modular, custom designs built to spec. Standard features also include auxiliary Edison Panels and Littlite task lamps to illuminate the work area.



leprecon.com

Lex Products DB100A-A401520

Input Feed: 100-amp, 3-phase, 5-wire male Cam tails
Outputs: (15) 20-amp Edison duplex
Enclosure Type: Pagoda - NEMA 3R rubber
Dimensions: 12" x 12" x 12"
Compliance: UL, cUL
Weight: 32 pounds
Comments: Molded rubber enclosure is fully insulated, providing shock, impact, corrosion and weather resistance. Also available as NEMA 3R weatherproof or as NEMA 1 indoor.



lexproducts.com

Applied Electronics Custom Power Distribution

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 Power-Con
Enclosure Type: ATA-style aluminum-lined rolling rack
Dimensions: 21" x 25" x as required
Compliance: UL
Weight: Varies by configuration
Comments: Custom configuration for any application; accessories include PM-360 Power Monitor System; LSC MDR 5 or 10 port DMX splitter with RDM & wireless DMX; custom logos, case colors and sizes.



appliednn.com

DADCO DAD 2400 SC Super Cam Thru Spider Box

Input Feed: 120/208V AC 3Ø 800A per phase, Camlok
Outputs: 120/208V AC 3Ø 800A per phase, Camlok
Enclosure Type: Type 1
Dimensions: 24" x 10" x 12"
Compliance: UL 1640 ETL
Weight: 75 pounds
Comments: Available 2-in/6-out; 4-in/4-out; 480V units available.



dadcopowerandlights.com

Motion Labs Max Pac

Input Feed/Connector Type: 120/208V; 200A 3-phase; Cam type connectors
Outputs: 6 x L21-30 (120/208V, 3-phase, 5 Wire Twistlock)
Enclosure Type: NEMA Type 1
Dimensions: 19" x 17" x 15"
Compliance: UL 1640
Weight: 55 pounds
Comments: Designed specifically to fit in the same rack as rack-mount motor controller. Will also work for other portable power distribution applications.



motionlabs.com

PRG Series 400 Power & Data Distribution

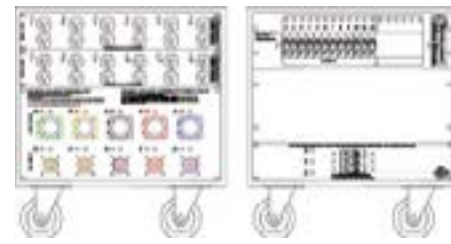
Input Feed: 120/208 VAC, 400-amp; Camlock
Outputs: (72) 15-amp devices w/single, dual and 3-phase 120/208v outputs
Enclosure Type: 19" rack
Dimensions: 47" x 21" x 26"
Compliance: ETL
Weight: 305 pounds
Comments: Modular integrated power/Ethernet data distribution. One rack supports up to 256 universes of DMX and power for 72 15-amp devices w/single, dual and 3-phase 120/208V outputs. Includes digital power metering, integrated DMX A/B switch, DMX merging and onboard diagnostics.



prg.com

Entertainment Power Systems EPS Dura-Power EGS

Input Feed/Connector Type: Hubbell single pole cam-style 400A rated 3-phase power input, reversed gender on ground and neutral connections, single neutral connectors
Outputs: 12 each Hubbell heavy-duty industrial series NEMA 520R duplex receptacles
Enclosure Type: Aluminum-lined ATA roadcase with casters
Dimensions: 22" x 24" x 24"
Compliance: UL, cUL
Weight: 100 pounds
Comments: Other UL/cUL listed configurations also available; custom engraving on request.



entertainmentpowersystems.com

Furman ACD-100



Input Feed: 100A 120/208v 3-phase or American 240 split
Outputs: (5) 20A 120V duplexes
Enclosure Type: 2 RU steel chassis
Dimensions: 3.5" x 19" x 8"
Compliance: NRTL-C Tuv
Weight: 12 pounds
Comments: 100-amp power distro with surge suppression.

furmansound.com

Quantum Energy Design (Touring PD)/Motor Control

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: Installation motor and power PD with 100% rated branch breakers, over-rated internal X-Ploy cable. Numerous variations offered. Powdercoat finish.



qedinc.tv

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 configurations available. Unique self-enclosed chassis makes for added safety.



ramtech.net

Gear Box Pro SLP Series



Input Feed: NEMA L14-30P or L21-30P
Outputs: 4-6 circuits each with 20A Edison duplex or PowerCon
Enclosure Type: Stainless steel
Dimensions: 2 RU; 3.5" deep
Compliance: QPS special inspection to NEC codes
Weight: 7 pounds
Comments: 4-6 120V 16A circuits for amp or effects racks (single- or 3-phase units available)

gearboxpro.com

Indu-Electric 001 Cube

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 configurations.



indu-electric.com

TMB ProPower RPD

Input Feed: 120/240V or 120/208V; up to 400A single- or 3-phase; Cam-loc 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. Heavy-duty aluminum construction.



tmb.com

Whirlwind Power Link PLD

Input Feed: 5 to 12 Cam-Loks with 12 to 24 circuits per leg
Outputs: Twist-locks, 19-pins, Power-Con or Edison, depending on customer needs.
Enclosure Type: Custom-designed ATA rack case
Dimensions: Varies by configuration
Compliance: UL
Weight: Varies by configuration
Comments: System is based on interchangeable rack-mount modules that support any number/style of inputs/outputs, breakers and the PL-PM1 power meter, which lets users remotely monitor system operation via a Wi-Fi app.



whirlwindusa.com