

# Portable Power Distros

Doing it “your way” is almost always an admirable trait, and it’s one that enables a lot of people in the pro audio industry to get a foothold in the business and to get ahead. But there are other times when a compelling case for the division of labor makes sense — such as portable power distribution.

A power distro made from Home De-

pot parts can compare favorably with a professionally-made unit — until you put a value on the time you spend in taking that route, and factor in how the distro performs after being banged up on the road.

Even if you are able to come up with a power distro that meets all the stipulations in the National Electrical Code in the

U.S. — or its equivalent in other countries — your self-built unit is going to be waving a big red flag for fire safety and electrical inspectors at various gigs.

Perhaps the most compelling reason for opting, instead, for professionally designed and built power distro is the reason all those codes and inspections have evolved in the first place: safety.

There is a whole spectrum of products out there. If an off-the-shelf model doesn’t quite meet your needs, some of the manufacturers are willing to work with you to come up with a power distro to your specs. That way, you can still “do it your way” — with an assist from people who have been building these things the right way for years. **FOH**



Entertainment Power Systems (EPS) rack from Creative Stage Lighting



Union Connector



Applied Electronics custom power distro



AC Power Distribution SST Series



Furman ASD 120



Gear Box Pro



Indu-Electric 48-channel DMX Cart



Leprecon DSC 0124



Lex Products Powerhouse Pagoda



Motion Labs portable distros



Peavey Distro



PRG Series 400 rack



TMB ProPower Rack



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## KH4

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Manufacturer	Model	Input Voltage/Current/Connector Type	Outputs (Number/Current/Voltage/Connector Type)	Type of Enclosure	Dimensions	Compliance	Weight	Retail Price	Comments
AC Power Distribution acpowerdistribution.com	SST Series Cam-Lok Spiders (8 new models)	400A 120/208v 3Ø or 277/480V 3Ø 5wire Cam-Lok	5-wire Cam-Lok	Type 1 indoor or type 3R outdoor	Varies by config.	UL listed	varies by configuration	Varies by configuration	Available in 1x3, 2x3, 2x6 or 4x4 input/output. All versions (except 480v) include 20a courtesy outlets (with or without GFCI), voltage test jacks, and safety covers on all outputs and secondary inputs.
	SST Series Portable Cam-Lok Disconnects (9 New Models)		(1 to 2) outputs of Breaker Protected 5-wire Cam-Lok		19" x 13" x 11"			Varies by configuration	
	CF400PCS Portable Company Switch	(2) parallel outputs of 5-wire Cam-Lok w/ double neutral	23" x 13" x 11"		\$3,995			Adjustable main; 100% rated main breaker; built-in two-fer output; double neutral for 6-wire use w/ spiders or dimmers; (3) 20-amp courtesy outlets available w/ or w/o GFCI; voltage test jacks.	
Applied Electronics appliednn.com	Custom power distribution systems to fit customer needs	120/240V Single Phase or 120/208V 3Ø; 400A rated cam connectors with pass-thru & 80, 100, 200, 250 or 400A main breaker	Mix any: 110V or 208V 19 pin; 15-50A, 1,2, or 3 pole twist-lock; duplex Edison or Powercon connectors; each w/ individual branch breakers	ATA style aluminum lined rolling rack	21" x 25" x as required	UL Listed	Varies by configuration	Varies by configuration	Custom configuration for any application; accessories include PM-360 Power Monitor System; PM1000 remote power monitor; LSC MDR 5 or 10 port DMX splitter with RDM & wireless DMX; custom logos, case colors & sizes.
	Custom Power Distribution & Dimming Systems		Any combination of standard outlets and any configuration of our 1.2k or 2.4k 12 channel dimmers	ATA style, vented rolling rack	21" x 30" x as required				
	Rack mount spider boxes	120/240V Single Phase or 120/208V 3Ø; 20-100 amp, Cam or Twistlock input	Mix any: 19 pin; twist-lock; duplex Edison or Powercon outlets w/ individual branch breakers	2, 3 or 4U rack mount module	19" x 10" x 2-4 rack spaces				
Dadco dadcopowerandlights.com	DAD 2400 SC Super Cam Thru Spider Box	120/208VAC, 3Ø, 800A per phase, Cam-Lok feed-thru	120/208VAC, 3Ø, 800A per phase, Cam-Lok Feed thru	NEMA Type 1	24" x 10" x 12"	UL 1640 ETL	75 lbs	\$2,495	Available configurations: 2-in X 6-out or 4-in X 4-out; *480V units available; one year warranty
	DAD 6SP FT3 Socapex Distro	120/208VAC, 3Ø, 400A per phase, Cam-Lok feed-thru	(6) 120V 6-circuit Socapex-type outlets plus (2) 20A duplex courtesy receptacles, 120V		20" x 20" x 10"		60 lbs	\$2,595	36 breakers for individual control of 6-circuit Socapex-type outlets plus (2) 20A 120V duplex outlets; one year warranty
	DAD 1200 SL Three Phase Distro	120/208/240VAC, 3Ø, 400A per phase, Cam-Lok feed-thru	(6) 100A/120V Bates outlets, (3) 100A/250V Bates outlets, (2) 20A/120V duplex receptacles					\$2,995	Slim Line version of the 1200 FC3 Duzz-All Distro; one year warranty
Entertainment Power Systems/Creative Stage Lighting entertainmentpowersystems.com	Dura-Power EIX	120/208V; 225A 3-phase; Cam-type connectors in & pass through, G/N reversed, Dual neutral	2 x 6-Circuit 208V 20Amp 19-pin multi; 2 x 6-Circuit 120V 20Amp 19-pin multi; 5 x 120V 20Amp GFCI Edison duplex; 2 x L6-20 208V; 2 x L5-20 120V	Aluminum lined ATA roadcase w/ casters	22" x 24" x 27"	UL, cUL	130 lbs	N/A	Other UL cUL Listed configurations are also available.
	Dura-Power EHX		4 x 6-Circuit 120V 20Amp 19-pin multi; 5 x 120V 20Amp GFCI Edison duplex		22" x 24" x 24"		100 lbs.		
	Dura-Power EKX	120/208V; 220A 3-phase; Cam-type connectors in & pass through, G/N reversed, Dual neutral	4 x 6-Circuit 208V 20Amp 19-pin multi; 5 x 120V 20Amp GFCI Edison duplex; 2 x L6-20 208V; 2 x L5-20 120V		22" x 24" x 21"		130 lbs		
Furman furmansound.com	ACD-100	100A 120/208v 3 phase or American 240 split	(5) 20A 120V duplexes	2RU steel chassis	3.5" x 19" x 8"	NRTL-C Tuv	12lbs	\$649	100 amp power distro with surge suppression.
	ASD-120	120A 120/208v 3 phase or American 240 split	(6) 20A 120V duplexes		3.5" x 19" x 8"		NRTL-C Tuv	20lbs	\$799
Gear Box Pro gearboxpro.com	SLP Series	NEMA L14-30P or L21-30P	4-6 output Circuits each with 20A Edison Duplex or PowerCon outlets	Stainless Steel	2RU - 3.5" deep	QPS Special Inspection to NEC Codes	7 lbs	\$526	4-6 120V 16A circuits for Amp or Effects Racks (single or three phase units available) See SLP-237 for FOH Mixers w/Dual P/S
	Power Cube 4E	PowerCon 120 Volt 16 Amps	4 - PowerCon or Edison	Aluminum Extrusion	5.5" x 5.5" x 2.1"	QPS Special Inspection to NEC Codes	2 lbs	\$212.25	Create power taps and stringers on the fly for Stage, Truss or Powered Speakers, utilizing PowerCon cables; Heavy duty, Aluminum extruded enclosure w/fly-track
	MARS P-2532 Range Distro	Nema 14-50P 4 conductor #6	2 NEMA L14-30R 250V Single Phase (4 Pin Twist) outlets + 2 x 20A circuits on a single split Edison Duplex outlet	Stainless Steel Enclosure w/Rack Mount Option	3.5" h 8-5/8" w 10" d	QPS Special Inspection to NEC Codes	9.5 lbs	\$749.99	Power Distribution in Banquet Halls, Hotels and University Venues for A/V, DJ's, Wedding Bands. Additionally used for Outdoor Events on small Portable Generators w/Range Outlet connector. Optional Rack Mount Kit available. Manufactured w/Genuine Hubbell components.
Indu-Electric North America, Inc indu-electric.com	CUBE Series 12 Channel 19 Pin-520 Combo	120/208V; 100A 3-Phase; Cams	2 - 120V 20A 6 Channel 19-Pin, 3-120V 20A Edison Duplex Outlets	Non-Conductive, NEMA 1, Dry Locations	10" x 10" x 8.25"	UL 1640, CSA	Varies by configuration	POA	All Branch Devices Fully Recessed; Shock Absorbing Steel Enhanced Molded Rubber Corners; Recessed Swivel Handle; Laser Engraved Labeling; Solid Internal Bus-Bar CAM Construction; Optional Main Breaker; Custom Laser Engraved logo Available.
	Armor-Tech Series 6 Way 50A Basecamp Outdoor PDU	120/208V; 400A 3-Phase (or Single Phase); Cams, 1- 400A (Per Leg) Rated Cam Pass Through	6- 50A 120/208V 3 Pole 4 Wire CS63-69 CA Style Twist-locks	Non-Conductive, NEMA 3R, Wet and Damp Locations	21.75" x 11.75" x 10.75"	UL 1640, CSA	55 lbs	POA	6" Enclosure Ground-Clearance Ensures Continuous Reliability in Mud, Rain, Snow or Other Unexpected Challenging Situations, Designed for Extra-Hard Usage, Custom Configurations Available
	48-Channel Remote DMX Cart	120/208V; 400A 3-Phase; Cams, 1- 400A Rated Cam-Lok Pass Through, 200% Neutral, Double Ground	16- 20A 120V 6 Circuit 19 Pin, 2 Parallel per 6- Channel (48 DMC Controlled Channels for 2.4Kw Loads), 1- 20A 120V Courtesy Duplex Outlet	Non-Conductive NEMA 1, Dry Locations	39.5" x 17" x 22"	UL	Varies by configuration	POA	Standard DMX 512 Protocol, State of the Art LED DMX Control Board, Multiple Standard Studio Configurations for Stage Pin / 19 Pin up to 24kw Loads; Enclosure Built Into Heavy Duty Cart
Leprecon, LLC leprecon.com	Custom AC Distro	120/208V, 250A & 400A 3-phase; 400A 6 wire Cam-Lok In with option for Pass-Thru	120/208V Twistlock & 19-pin Multi, 120V Duplex Edison Stage pin	Aluminum lined ATA style roadcases w/casters, flatpacs	20.75" x 24.75" x 8RU - 20RU		Varies by configuration	Varies	"Heavy-duty" power distribution systems can be configured using wide assortment of power and load options including rack-mount dimmers, duplex (2) with breakers, digital voltmeter, digital amp meter & Little Rabbit(s).
Lex Products Corp. lexproducts.com	PowerRack-Rolling Distro	120/208V; up to 400A 3-phase; 3-phase to single-phase switchable option; cam-type connector input	NEMA devices, 19-pin, pin & sleeve, and stagepin options for custom configurations	Aluminum frame w/ outer panels & removable doors	26" or 30" x 24" x 16"-58" (4RU-28RU)	UL	Varies by configuration	POA	Custom dimming and power configurations to meet application; extruded aluminum frame and high-density plastic panels designed for light-weight and "road worthiness;" latching front and back doors; custom laser engraving services
	PowerHouse Pagoda Rubber Distro, Cam to 15 Duplex; DB100AA401520	100A, 3-phase, 5-wire Cam-type tails	(15) 20A duplex receptacles	Pagoda; NEMA 1 indoor or 3R rubber outdoor	14" x 14" x 13"	UL, cUL	32 lbs.	\$1,469.23	"Heavy-duty" molded rubber enclosure is fully insulated, providing shock, impact, corrosion and weather resistance; available as UL Listed NEMA 3R weatherproof with covers throughout, or as NEMA 1 indoor with covers on female cams only.
	PowerHouse-Neutrik PowerCon Rubber Quad Box	120VAC; 20A Neutrik PowerCon input and thru	(2) NEMA 5-20 duplex receptacles	Rubber Quad Box; NEMA 1 indoor	4.7" x 2.5" x 4.2"	UL, cUL	1.5 lbs.	\$153.46	Create power taps and stringers on the fly utilizing PowerCon cables; Heavy duty, compact, rubber enclosure
Mole-Richardson Company mole.com	Type 7841, 1200 Amp Cam-Lok Pass-Thru Plus	208Y/120VAC, 60HZ, 3-phase, 5-wire, 400A per leg, Cam-Lok	6-100A 120V stage plugs, 3-100A 208V stage plugs, 2-20A duplex receptacles	NA	23.75" x 12" x 11"	ETL	58 lbs.	N/A	
	Type 79944, 4800 Amp See-Thru Cam Spider		4-208Y/120VAC, 60HZ, 3-phase, 5-wire, 1,600A per leg, Cam-Lok receptacles		14.25 x 24.5 x 8.25		72 lbs.		
Motion Laboratories motionlabs.com	Audio/Video PD	120/208V; 400A 3-phase; cam-type connectors	Modular design allows for variable configurations; Twistlock, pin & sleeve, 19-pin, PowerCon, stage pin, Edison	NEMA Type1/NEMA Type3R (both Shock mounted)	31" x 22.5" x customer specified height	ETL Listed to UL 1640 UL 508A Certified to CSA C22.2 no. 14	variable	POA	Variety of panel options available to configure to customer spec. Built into a shock mount rolling rack style flight case.
	Lighting PDs								
	Stackables	120/208V; 200A 3-phase; cam-type connectors	Twistlocks, pin & sleeve, 19-pin, PowerCon, stage pin and Edison	NEMA Type 1	23" x 14" x 10.5" (15.75" H also avail.)	40lbs	Variable	The STACKABLES line is designed to bridge the gap between a large Rolling Rack type distro and our smaller Stringer Boxes and RacPacs.	
Peavey peavey.com	Distro	120/240V single phase, 40Ax2, NEMA 14-50P (range plug)	6x20A Edison Duplex Receptacles with 20A magnetic branch breakers	2RU		ETL	18 lbs.	\$599.99	
PRG prg.com	S400 System	3 phase, 5 wire Cam	User configurable	Rack	47" x 21" x 26"	ETL	308 lbs	POA	Integrated power and Ethernet data distribution system with modular design. A single rack can support up to 256 Universes of DMX, as well as power for 72 1.2KW devices w/ single, dual and 3-phase 120/208V outputs. Rack includes: flush mounted rocker breakers, digital LED power metering, hot-swappable modules, integrated DMX A/B switch, DMX merging, onboard system diagnostic tools for DMX and Ethernet trouble shooting and analysis, as well as dataline testing for Ethernet cables.
TMB tmb.com	ProPower RPD	120/240V or 120/208V; up to 400A 1Ø or 3Ø; Cam-Lok or pin & sleeve	Various configurations available	Rolling ATA flight case	Varies with configuration	UL, cUL	Varies with configuration	Varies with configuration	Configuration can be specified from numerous input/output panels; optional dimming and signal panels available; UL listed; 19-pin "pin out" indicator display; "heavy-duty" aluminum construction.
	ProPower DP	120/240V or 120/208V; 30A 1Ø or 3Ø, 50A 1Ø; pin & sleeve or Twist-lock		3U rackmount aluminum and steel enclosure	19" x 6" x 5.25" (12" depth also avail.)				Assortment of available distro packs; UL listed; multiple units may be customized in a larger configuration; "heavy-duty" aluminum and zinc-coated steel construction.
	Starpower	100% user-defined - voltage, ampacity, connectors, breakers to specification		100% user-defined - voltage, ampacity, connectors, breakers to specification	NEMA Ttpe 1 optional				Dimensions vary with configuration
Union Connector unionconnector.com	"ExpoBox" DBX Series	3-Phase or Single Phase 120V, 240V, 208V, 480V. Series 16 cam up to 400A, Pin & Sleeve up to 100A, Conduit Feed	NEMA devices, Series 16, Series 15, 19-pin, pin & sleeve, and stagepin options for custom configurations	NEMA 1 and NEMA 3R anodized aluminum or stainless steel	Varies with configuration	UL, cUL	Varies with configuration		Multiple receptacle configurations such as series 16 and series 15 cam, stage pin, twist-lock, 19-pin, straight blade, pin & sleeve and GFCI. Enclosures are available in NEMA 1 indoor or NEMA 3R outdoor rain-tight. All circuit breaker are a minimum 10k AIC branch rated. Options include; Main breaker, analog or digital meters, casters, custom colors dolly tray,
	"RackBox" RMB Series			Anodized aluminum, steel or stainless steel	EIA 19" rack width; height varies with configuration				Multiple receptacle configurations such as series 16 and series 15 cam, stage pin, twist-lock, 19-pin, straight blade, pin & sleeve and GFCI. All circuit breaker are a minimum 10k AIC branch rated. Options include; Main breaker, analog or digital meters, custom colors.