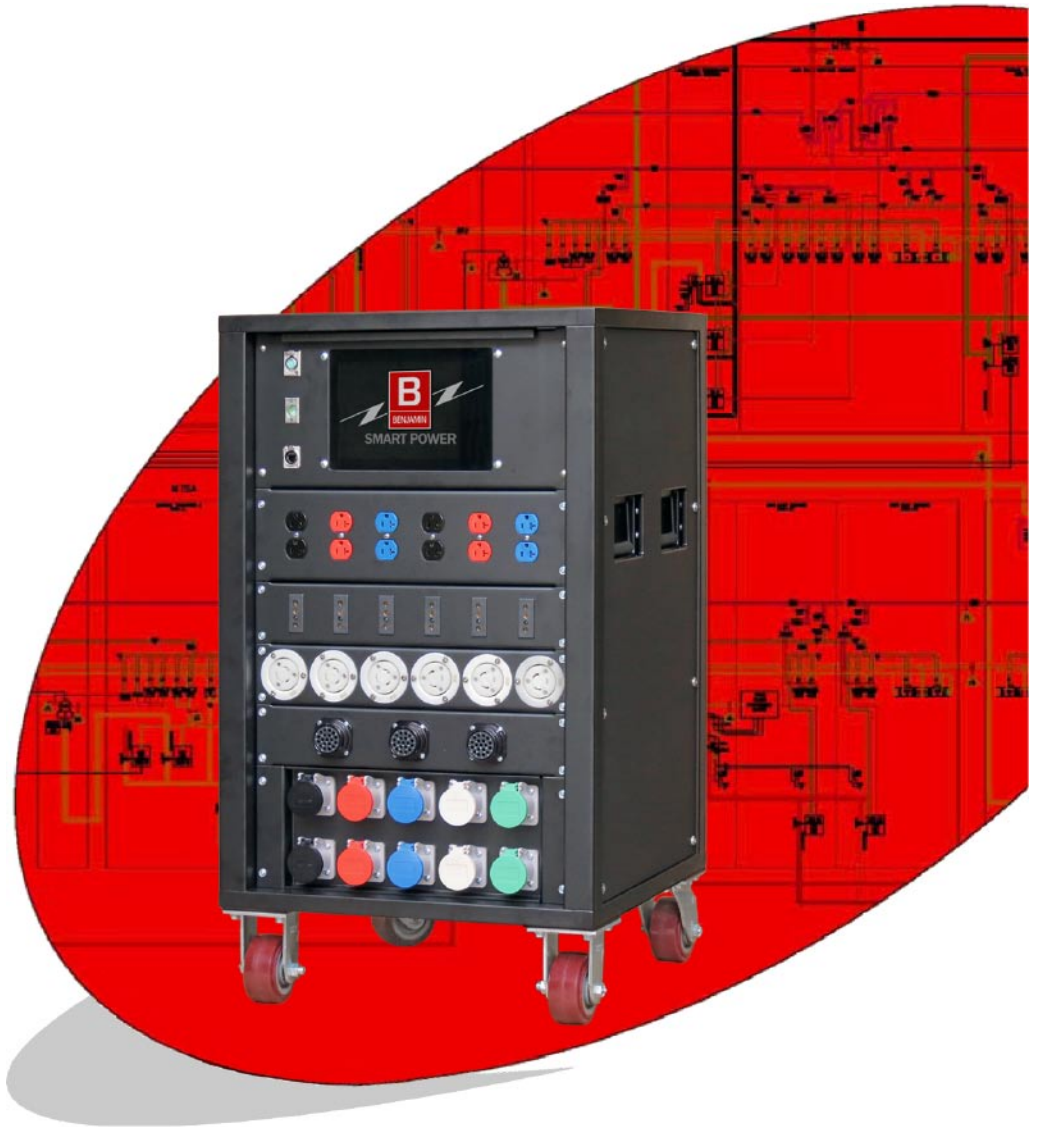


# SMART DISTRO PANEL

Portable Power Distribution with Remote  
Circuit Control and Metering

## CONFIGURATION GUIDE



**SMART POWER**

by Benjamin Electric Company

Manufacturers of Smart Power Distribution for the Entertainment Industry

# Panel Configurations

(all base panels include standard Wi-Fi connectivity, Metering on Feeder, and either a 100A or 225A main breaker)

To develop a fully assembled Panel configuration, select a base panel and rack panels (contained on the following pages).

Base Panel Configuration	Rack Space	Functions	Voltage	Model Number
<p><b>42 Circuit 10" Touchscreen Mains Rack</b></p> <p>38.5"</p> <p>9RU</p> <p>225A Main Breaker</p>	9RU	Circuit Metering (standard breakers)	120/240V	SDP-B42-SM
			208/120V	SDP-A42-SM
			480/277V	SDP-D42-SM
		Circuit Control (switchable breakers)	120/240V	SDP-B42-SC
			208/120V	SDP-A42-SC
			480/277V	SDP-D42-SC
		Control and Metering (switchable breakers)	120/240V	SDP-B42-SCM
			208/120V	SDP-A42-SCM
			480/277V	SDP-D42-SCM
<p><b>30 Circuit 7" Touchscreen Mains Rack</b></p> <p>33.0"</p> <p>8RU</p> <p>100A Main Breaker</p>	8RU	Metering Only (standard breakers)	120/240V	SDP-B30-SM
			208/120V	SDP-A30-SM
			480/277V	SDP-D30-SM
		Control Only (switchable breakers)	120/240V	SDP-B30-SC
			208/120V	SDP-A30-SC
			480/277V	SDP-D30-SC
		Control and Metering (switchable breakers)	120/240V	SDP-B30-SCM
			208/120V	SDP-A30-SCM
			480/277V	SDP-D30-SCM
<p><b>42 Circuit Mains Rack</b></p> <p>38.5"</p> <p>13RU</p> <p>225A Main Breaker</p>	13RU	Metering Only (standard breakers)	120/240V	SDP-B42-M
			208/120V	SDP-A42-M
			480/277V	SDP-D42-M
		Control Only (switchable breakers)	120/240V	SDP-B42-C
			208/120V	SDP-A42-C
			480/277V	SDP-D42-C
		Control and Metering (switchable breakers)	120/240V	SDP-B42-CM
			208/120V	SDP-A42-CM
			480/277V	SDP-D42-CM

# Panel Configurations

(continued)

Base Panel Configuration	Rack Space	Functions	Voltage	Model Number
<p>30 Circuit Mains Rack</p> <p>33.0"</p> <p>11RU</p> <p>100A Main Breaker</p>	11RU	Metering Only (standard breakers)	120/240V	SDP-B30-M
			208/120V	SDP-A30-M
			480/277V	SDP-D30-M
		Control Only (switchable breakers)	120/240V	SDP-B30-C
			208/120V	SDP-A30-C
			480/277V	SDP-D30-C
		Control and Metering (switchable breakers)	120/240V	SDP-B30-CM
			208/120V	SDP-A30-CM
			480/277V	SDP-D30-CM

## Rack Panels

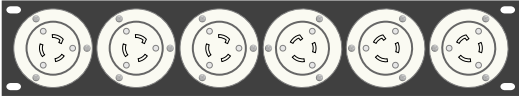





(all Racks include branch breakers, component integration, and assembly)

Rack Selection: **RPM** = rack for metering function only; **RPC** = rack for control only; **RPCM** = rack for control and metering.

Rack Panel	Size	Description	Model Number
	3RU	(6) 2-circuit, NEMA 5-20, 20 Amp, 1 Pole, 3 Wire, 120 VAC two-position receptacles	RPM-120-DU6
			RPC-120-DU6
			RPCM-120-DU6
	1RU	(3) 1-circuit, NEMA 5-20, 20 Amp, 1 Pole, 3 Wire, 120 VAC duplex receptacles	RPM-120-DU3
			RPC-120-DU3
			RPCM-120-DU3
	2RU	(3) 6-circuit, 20 Amps per circuit, 120 VAC, Socapex panel mount receptacles	RPM-120-SO3
			RPC-120-SO3
			RPCM-120-SO3
	2RU	(3) 3-circuit, 20 Amps per circuit, 220 VAC, Socapex panel mount receptacles	RPM-220-SO3
			RPC-220-SO3
			RPCM-220-SO3
	2RU	(2) 6-circuit, 20 Amps per circuit, 120 VAC, Socapex panel mount receptacles	RPM-120-SO2
			RPC-120-SO2
			RPCM-120-SO2

# Rack Panels

(continued)

Rack Panel	Size	Description	Model Number
	2RU	(6) NEMA L5-20, 20 Amp, 1 Pole, 3 Wire, 120 VAC locking receptacles	RPM-120-TL6
			RPC-120-TL6
			RPCM-120-TL6
	2RU	(6) NEMA L6-20, 20 Amp, 1 Pole, 3 Wire, 250 VAC locking receptacles	RPM-250-TL6
			RPC-250-TL6
			RPCM-250-TL6
	2RU	(12) 20 Amp, 1 Pole, 3 Wire, 120 VAC, PowerCON connectors	RPM-120-PC12
			RPC-120-PC12
			RPCM-120-PC12
	2RU	(6) 20 Amp, 2 Pole, 3 Wire, 120 VAC stage pin receptacles	RPM-120-SP6
			RPC-120-SP6
			RPCM-120-SP6
	XRU	Blank rack panels, sizes 1RU to 3RU	RP-BNK-1RU RP-BNK-2RU RP-BNK-3RU
	1RU	Communications Module, DMX in and out, with RJ-45 Network port.	RP-COM-DMX

## Metering Specifications

<b>Power Measurement</b>	<b>Mains Current Accuracy:</b>	1% of reading from 1% to 100% of nominal rated current
	<b>Mains Voltage Accuracy:</b>	0.5% of reading from 90 to 600 VAC Line to Neutral
	<b>Mains Power Data:</b>	Voltage, Current, Watts, PF, VA, VAR, HZ, WHrs, VAHrs, VARHrs
	<b>Branch Current Accuracy:</b>	1% of reading from 0.15 Amps to 100 Amps
	<b>Branch Circuit Data:</b>	Current, Watts, PF, VA, VAR, WattHrs, VAHrs, VARHrs
	<b>Data Update Rate:</b>	1 second for all real-time values



**SMART POWER**

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