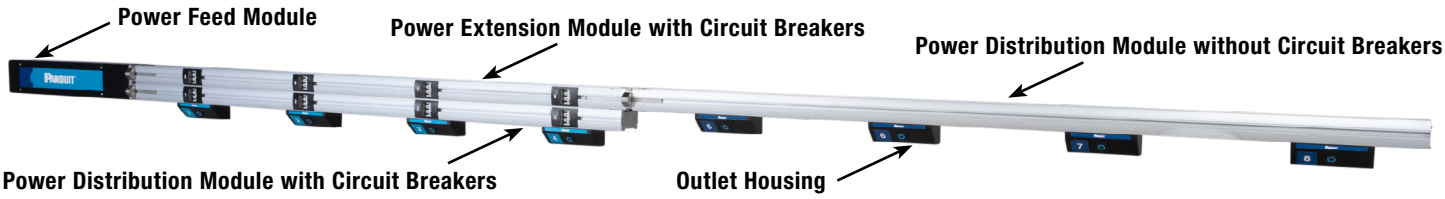
Overhead Power Distribution (OPD)

PANDUIT®
SPECIFICATION SHEET

OVERVIEW

Panduit has created the Overhead Power Distribution (OPD) solution, a new method of distributing power to racks and cabinets that combines the advantages of existing busway and whip methods in a modular, scalable, cost-effective, safe,



TECHNICAL INFORMATION

General specifications:	Maximum eight cabinets per system. Total amperage is 240A. Power delivered to the rack: three-phase 30A circuits.
Cabinet/overhead system compatibility:	600mm cabinet width

System offering:

Input Voltage	Input Phases	Input Phase Connection	Power per Rack (De-Rated 80%)	Amperage to the Rack	End Feed Input	Rack Receptacle Interface	Regulatory Compliance	Outlet Spacing	Part Number
8-Cabinet System									
208V	3-Phase	3-Phase Wye	8.6 kVA	30A	Compression Connectors	NEMA L21-30	UL / cUL 857 USA and Canada	600mm	208Y3-21LHH2B
		3-Phase Delta				NEMA L15-30			208D3-21LHH1B
415V		3-Phase Wye	17.3 kVA			IEC 60309 3P+N+E 6h 30A (IP44)			415Y3-21LHH3B

KEY FEATURES AND BENEFITS

Cost Effective:	Lower cost of ownership versus existing solutions
Flexible:	Easy to add segments
Safer:	Finger safe, Safer connection-ground connects before power
Fast to Deploy:	Significant reduction in installation time

AGENCY COMPLIANCE

Electrical:	UL / cUL 857 - Standard for Busway and Associated Fittings
Fast to Deploy:	RoHS - Directive 2011/65/EU of the European Parliament and of the Council of 8-June-2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast).

MODULE INFORMATION

8 - Cabinet System								
	Power Feed Module (All Voltages and Delta or Wye)	Power Extension Module with Circuit Breakers (All Voltages and Delta or Wye)	Power Distribution Module with Circuit Breakers - 208V Delta	Power Distribution Module with Circuit Breakers - 208V Wye	Power Distribution Module with Circuit Breakers - 415V Wye	Power Distribution Module without Circuit Breakers - 208V Delta	Power Distribution Module without Circuit Breakers - 208V Wye	Power Distribution Module without Circuit Breakers - 415V Wye
Electrical								
Input Voltage	208V/415V	208V/415V	208V	208V	415V	208V	208V	415V
Input Current	240A	120A	120A	120A	120A	120A	120A	120A
Output Voltage	208V/415V	208V/415V	208V	208V	415V	208V	208V	415V
Output Current	240A	120A	30A per outlet	30A per outlet	30A per outlet	30A per outlet	30A per outlet	30A per outlet
Breaker Size	–	(4) 30A	(4) 30A	(4) 30A	(4) 30A	–	–	–
Mechanical								
Dimensions– Length Installed	808.5mm (2.7ft)	2594.4mm (8.5ft)	2551.6mm (8.4ft)	2551.6mm (8.4ft)	2551.6mm (8.4ft)	2551.6mm (8.4ft)	2551.6mm (8.4ft)	2551.6mm (8.4ft)
Dimensions– Height Installed	146.8mm (0.5ft)	72.8mm (0.2ft)	73.6mm (0.2ft)	73.6mm (0.2ft)	73.6mm (0.2ft)	73.6mm (0.2ft)	73.6mm (0.2ft)	73.6mm (0.2ft)
Dimensions– Depth Installed	114.3mm (0.4ft)	113.9mm (0.4ft)	113.9mm (0.4ft)	113.9mm (0.4ft)	113.9mm (0.4ft)	113.9mm (0.4ft)	113.9mm (0.4ft)	113.9mm (0.4ft)
Weight	15.3lbs	37.1lbs	35.7lbs	35.7lbs	35.7lbs	33.1lbs	33.1lbs	33.1lbs
Outlet Connections	N/A	N/A	NEMA L15-30	NEMA L21-30	IEC 60309 3P+N+E 6h (IP44)	NEMA L15-30	NEMA L21-30	IEC 60309 3P+N+E 6h (IP44)
Environmental								
Operating Temperature (With Power per Rack De-Rated to 80%)	50°F to 140°F (10°C to 60°C)							

For more information on the Panduit Overhead Power Distribution System please visit:
https://www.panduit.com/opd

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