

SmartZone™ G5 Universal Power Distribution Unit (uPDU) with Combination Outlets

overview

The Panduit® SmartZone™ G5 Universal Monitored Switched PDU (uPDU) with Combination Outlets is the ultimate in flexibility and supply chain agility for your cabinet level power solution. The uPDU has the capability to handle input voltages ranging from 208V-415V. With this revolutionary product, the same PDU chassis can be used globally, reducing the part number to just one. Next, simply select the facility side cord set to match the power needs of the installation. The uPDU is outfitted with dual locking power cord compatible combination outlets which allow the user to multi-purpose the same outlet with different IT equipment cord types (C14 or C20).

The SmartZone™ G5 uPDU is an intelligent appliance and contains all of the same capabilities to monitor the data center power, environment and provide rack access control at the cabinet level.

technical information

<i>Dimensions:</i>	Height In. (mm)	Width In. (mm)	Depth In. (mm)
0U FULL:	68.9 (1750)	2.2 (56)	2.9 (75)
<i>Mounting:</i>	This vertical unit features button mounting and provides 36 outlets without encroaching on the EIA space.		

key features and benefits

<i>Universal Inlet</i>	Optimize your supply chain by using the same uPDU chassis globally
<i>Dedicated Facility Side Cables</i>	A large variety of Facility Side Cables to cover global rack power needs
<i>HotSwappable Controller</i>	Replace the controller and display module without having to power down the rack
<i>Redundant 8-Terminal</i>	SN12 (i) 14 4 (t) 12 (w) 14 (o) 14 (tr) 12 nccs

SmartZone™ G5 Universal Power Distribution Units (uPDU)

uPDU product family

MS Series: Rack PDUs that have the ability for aggregate power monitoring and outlet level switching capabilities for individual outlets or a group of outlets. Enabling power sequencing, rebooting equipment or restrict unauthorized use of individual outlets.

electrical specifications (dependent on facility side cord selected)

Input Voltage Range from 208V to 415V:	North America <ul style="list-style-type: none">• Single-Phase 208 V/240 V• Three-Phase Delta/WYE 208 V• Three-Phase Wye 415 V	International models <ul style="list-style-type: none">• Single-Phase 230V/240 V• Three-Phase Wye 240/415 V
Input Current: (per phase)	North America <ul style="list-style-type: none">• 20A, 30A, 50A, 60A	International models <ul style="list-style-type: none">• 16A, 32A, 63A
Input Power:	North America <ul style="list-style-type: none">• 3.3 – 23 (kVA)	International models <ul style="list-style-type: none">• 3.6 – 27.6 (kVA)
Input Frequency:	50/60 Hz	
Output Voltage:	208 – 240 VAC	
Maximum Output Current: (outlet)	IEC C13/C15: 10A IEC C19/C21: 16A	
Overload Protection:	Circuit Breakers, hydraulic magnetic, 10kAIC	

general specifications

Temperature: Operating	50°F to 140°F (10°C to 60°C)
Temperature: Storage	-4°F to 140°F (-20°C to 60°C)
Relative Humidity: Operating	10% to 90% non-condensing
Relative Humidity: Non-Operating	5% to 95% RH
Relative Humidity: Storage	5% to 95%
Elevation: Operating	0 to 10,000 ft. (0 to 3000m)
Elevation: Storage	0 to 30,000 ft. (0 to 9144m)
Conformance Standards*	NRTL Nemko: www.nemko.com/resources/certificate-finder Certificate: NA202011186 USA & Canada: Approved - Harmonized Standard UL/EN/IEC 62368 PDU + ITE Accessory for Cord Set Europe - CE/UKCA Approved Australia - RCM Approved Brazil: Approved Chile: Approved Peru: Approved United Arab Emirates (UAE): Approved India: Approved China: Approved Hong Kong: Approved Singapore: Approved

Environmental Compliances: RoHS & REACH

*Other regions may be made available.

cabinet compatibility

Panduit uPDUs can be easily installed into Panduit (or third party cabinets) by utilizing the installed mounting buttons (18.4 mm diameter). Where necessary, a Small Diameter (14.5 mm) mounting button is available (sold separately, P/N: MA018). Panduit PDUs feature threaded inserts on the back and both sides for the ultimate in mounting flexibility. They safely and efficiently manage and distribute power to multiple devices through a single input power connector, per PDU, to enhance scalability of network build outs.

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Monitored Switched – MS Series

	Region	Input Current per Phase	Form Factor	Input Plug Type	Circuit Breakers	Apparent Power (kVA)	Outlet Count	Outlet Configuration	Length inches (mm)	Width inches (mm)	Depth inches (mm)	Panduit SKU Part No.
1 Phase, 3 Phase Delta, 3 Phase Wye	GLOBAL	Depends on Facility Side Cord Selected	0U FULL	UNIVERSAL INPUT CONNECTOR	6	3.6 - 27.6	36	(18)C13/C15 (2 way)	68.9 (1750)	2.2 (56)	2.9 (75)	P36E50M
								(18)C13/C15/C19/C21 (4 way)				

Facility Side Cord Sets

Facility Side Plug Type	Description	Drop-Down Menu in Web GUI*	Apparent Power (kVA)	Input Voltage (VAC)	Input Current Per Phase (A)	Input Phase	Length of Cord Set m (ft)	Panduit SKU Part No.
IEC 60309 3P+N+E 6h 32A (IP44)	uPDU to IEC 60309 3P+N+E 6h 32A (IP44), CORD SET, 3M (10FT)	30A3WYE (NAM) 32A3WYE (EMEA)	17.3 (NAM) 22.0 (EMEA)	400/415	32	3	3 (10)	UPDUCRD1
IEC 60309 2P+E 6h 60A (IP44)	uPDU to IEC 60309 2P+E 6h 60A (IP44), CORD SET, 3M (10FT)	60A1L-L (NAM)	10	208	60	1	3 (10)	UPDUCRD2
IEC 60309 3P+E 9h 60A (IP44)	uPDU to IEC 60309 3P+E 9h 60A (IP44), CORD SET, 3M (10FT)	60A3DLT	17.3	208	60	3	3 (10)	UPDUCRD3
CS8365C	uPDU to CS8365C 50A, CORD SET, 3M (10FT)	50A3DLT	14.4	208	50	3	3 (10)	UPDUCRD4
IEC 60309 3P+N+E 6h 63A (IP44)	uPDU to IEC 60309 3P+N+E 6h 63A (IP44), CORD SET, 3M (10FT)	60A3WYE (NAM) 63A3WYE (EMEA)	23.0 (NAM) 27.6 (EMEA) BREAKER LIMITED	400/415	63	3	3 (10)	UPDUCRD5
IEC 60309 3P+N+E 6h 20A (IP44)	uPDU to IEC 60309 3P+N+E 6h 20A (IP44), CORD SET, 3M (10FT)	20A3WYE (NAM) 16A3WYE (EMEA)	11.5 (NAM) 11.0 (EMEA)	400/415	16A/20A 16A DERATED	3	3 (10)	UPDUCRD6
L6-30P	uPDU to L6-30P 30A, CORD SET, 3M (10FT)	30A1L-L	5	208	30	1	3 (10)	UPDUCRD7
IEC 60309 2P+E 6h 20A (IP44)	uPDU to IEC 60309 2P+E 6h 20A (IP44), CORD SET, 3M (10FT)	20A1L-L (NAM) 16A1L-N (EMEA)	3.3 (NAM) 3.6 (EMEA)	208/230	16A/20A 16A DERATED	1	3 (10)	UPDUCRD8
IEC 60309 2P+E 6h 32A (IP44)	uPDU to IEC 60309 2P+E 6h 32A (IP44), CORD SET, 3M (10FT)	30A1L-L (NAM) 32A1L-N (EMEA)	5.0 (NAM) 7.4 (EMEA)	208/230	32	1	3 (10)	UPDUCRD9
L21-30P	uPDU to L21-30P 30A, CORD SET, 3M (10FT)	L21-30P	8.6	208	30	3	3 (10)	UPDUCRD10
L15-30P	uPDU to L15-30P 30A, CORD SET, 3M (10FT)	30A3DLT	8.6	208	30	3	3 (10)	UPDUCRD11
CS8265C	uPDU to CS8265C 50A, CORD SET, 3M (10FT)	50A1L-L	8.3	208	50	1	3 (10)	UPDUCRD12

* User must select the correct cord type from in the Web GUI for the uPDU to show accurate power ratings.

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PUSP90-WW-ENG
9/2022