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

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

key features and benefits

Universal Inlet	Optimize your supply chain by using the same uPDU chassis globally
Dedicated Facility Side Cables	A large variety of Facility Side Cables to cover global rack power needs
HotSwappable Controller	Replace the controller and display module without having to power down the rack
Redundant Network Access	Specifically designed for Landlord/Tenant (Co-Lo's) allowing for remote access of real-time, vital statistics and operating information on two separate, secure networks
Hardened Security	SNMP v3, TLS, Encrypted Security; allows for Panduit PDUs to pass standard popular industry certified security scans
1 GB Ethernet	Reduces deployment time by auto-negotiating with data center level network switches
Plug & Play Sensors	Digital sensors not only allow for multiple sensors on the same bus; but also identify themselves to the controller to simplify setup and commissioning
Mobile & Desktop Friendly Web GUI	Enhanced web interface that detects the type of device that you are on (laptop, tablet or smart phone); and automatically adjusts the screen for an optimal experience
Outlet Density	Meets demands of densely packed IT equipment in rack or cabinet space
Form Factor	Optimal form factor enables efficient rack space utilization and airflow
Operating Temperature	60°C ambient at full load for operational reliability in high temperature areas
Circuit Breakers	Protects data center equipment interrupting potentially hazardous circuit over-current conditions. The Panduit uPDU features a best-in-class 10kAIC Circuit Breakers.
Color Coded Circuits	Easily identify phase to outlet banks to aid in fault isolation or load balancing
External Chassis Ground	Meets NEC requirements and installation guidelines for IT equipment
Load Balancing	Monitored through visual display on oLED (for three-phase applications only)
Multiple Facility Side Cord sets	A full breadth of facility side cord sets to seamlessly interoperate with existing building power receptacles
Multiple Mounting Options	Enables simple out of the box commissioning and flexibility with Panduit cabinets and industry standard mounting features enabling installation into third party cabinets
Mounting Buttons	Allows tool-less mounting of rack PDUs for faster installations
Supported Metering	Frequency, VA, PF, plus aggregate and per phase Amperage, Voltage, Wattage, and Kilowatts per hour

u P D U   p r o d u c t   f a m i l y

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.

e l e c t r i c a l   s p e c i f i c a t i o n s
(d e p e n d e n t   o n   f a c i l i t y   s i d e   c o r d   s e l e c t e d)

Input Voltage Range from 208V to 415V:	**North America** • Single-Phase 208 V/240 V • Three-Phase Delta/WYE 208 V • Three-Phase Wye 415 V	**International models** • Single-Phase 230V/240 V • Three-Phase Wye 240/415 V
Input Current: (per phase)	North America • 20A, 30A, 50A, 60A	International models • 16A, 32A, 63A
Input Power:	North America • 3.3 – 23 (kVA)	International models • 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	

g e n e r a l   s p e c i f i c a t i o n s

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.

c a b i n e t   c o m p a t i b i l i t y

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.

SmartZone™ G5 Universal Power Distribution Units (uPDU)

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 Facitliy Side Cord Selected	0U FULL	UNIVERSAL INPUT CONNECTOR	6	3.6 - 27.6	36	(18)C13/C15 (2 way) (18)C13/C15/C19/C21 (4 way)	68.9 (1750)	2.2 (56)	2.9 (75)	P36E50M

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.

For more information and
support visit
www.panduit.com/pdu

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