

ES2P Power Distribution Unit (PDU)

North America,
Latin America



SPECIFICATIONS

The ES2P Panduit™ Power Distribution Unit (PDU) is designed for the rapidly increasing needs and growth of our customers. Providing high reliability, quality, and the best mix of features for data centers, enterprise, or edge deployment settings making this pdu an effective, efficient, and eco-friendly offering from Panduit.

TECHNICAL INFORMATION

Dimensions:	RU	Height in. (mm)	Width in. (mm)	Depth in. (mm)
	1	1.7 (44)	16.9 (430)	1.9 (50)
				3.9 (100)
	2	3.46 (88)	17.4 (442)	7.87 (200)
	0U HALF	31.4 (800)	2.1 (55)	2.0 (53)
	0U MID	58.6 (1490)		
	0U FULL	68.8 (1750)		
	0U FULL			
Temperature operating: 0°C to 55°C (32°F to 131°F)				
Temperature storage: -20°C to 65°C (-4°F to 149°F)				
Relative humidity operating: 10% to 90% non-condensing				
Relative humidity non-operating: 5% to 95%				
Relative humidity storage: 5% to 95%				
Elevation operating: 0 to 10,000 ft. (0m to 3,000m)				
Elevation storage: 0 to 30,000 ft. (0m to 9,144m)				
Conformance standards & environmental compliance: CB Test Approved CE Approved, RCM Certification, REACH, RoHS, NRTL, TAA, NOM, RETIE				

KEY FEATURES AND BENEFITS

Five-year warranty:	Industry leading 5 year warranty*
Hot swappable controller:	Replace or Rotate controller without disrupting power to the outlets
Hardened security:	ES2P features TLS, SNMP V3 encryption and passes penetration testing (PEN Certified)
Resilient design:	55°C ambient at full load for operational reliability in high-temperature areas
Scale as you grow:	Daisy chain up to 16 PDUs for simplified deployment and savings of network switch ports
1GB Ethernet:	10/100/1000 network interface for auto-negotiation with enterprise level network switches resulting seamless deployment
Plug and play sensors:	Digital sensors identify to the controller to simplify setup and commissioning and allow for multiple sensors on the same bus
Outlet density:	Maximizing space in the minimal footprint and selected PDU technology
Mobile and desktop friendly web gui:	Enhanced web interface that detects the type of device the user is on (laptop, tablet, or smart phone), and automatically adjusts the screen for an optimal experience
Safety first:	Protects data center equipment for increased reliability by interrupting potentially hazardous circuit over-current conditions with hydraulic magnetic breakers.

* Online registration required for full 5-year warranty. 3 years standard.



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PDU PRODUCT FAMILIES

Basic:	Basic Rack PDUs provide reliable power distribution for all devices in your cabinets and racks. They range in power from 1.4 kVA – 22 kVA per cabinet in single-phase and three-phase voltages, horizontal, and vertical form factors.
MI:	Monitored Input (MI) Rack PDUs have the ability for aggregate power monitoring to quickly identify potential power issues, and reclaim available or under-utilized power capacity.

ELECTRICAL PROPERTIES

Input voltage models:	100-120 VAC Single Phase 200-240 VAC Single Phase 100-240 VAC Single Phase 100-120 VAC 3 Phase WYE 200-240 VAC 3 Phase WYE 200-240 VAC 3 Phase Delta
Input current (per phase):	15 Amps - 60 Amps
Input power:	1.4 - 17.3 (kVA)
Input frequency:	50/60 Hz
Output voltage:	100 - 240 VAC
Maximum output current (outlet):	10 Amps (IEC C13); 16 Amps (IEC C19)
Overload protection (where applicable):	Circuit breakers, hydraulic magnetic

APPLICATIONS

Panduit Power Distribution Units can be easily installed into Panduit (or third-party) cabinets by utilizing the installed mounting buttons (18.4mm diameter). Where necessary, a small diameter (14.5mm) mounting button is available (sold separately, P/N: MA018). Featuring threaded inserts on the back for the ultimate in mounting flexibility, Panduit PDUs 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.

PRODUCT SPECIFICATIONS

BASIC SERIES

Part Number	Form Factor	# of CBs	Apparent Power (kVA)	Input Current per Phase, Amps/P	Input Plug Type	Input Voltage Range, VAC	Phase Connection	Outlet Count	Outlet Type
E36B26M	Vertical OU MID	3	8.6	30(24)/3	NEMA L21-30P 5W	100-120/200-240	3 Phase Wye, L-L	36	 (30)C13  (6)C19
E30B25M							3 Phase Wye, L-N, L-L	30	 (24)C13  (3)C19  (3)5-20R
E24B15M		2	5	30(24)/1	NEMA L6-30P 3W	200-240	Single Phase, L-L	24	 (21)C13  (3)C19
E22B05M		0	1.9	20(16)/1	NEMA L5-20P 3W	100-120	Single Phase, L-N	22	 (20)C13  (2)C19
E22B10M			3.3		NEMA L6-20P 3W	100-240	Single Phase, L-L		
E22B09M		2	2.9	30(24)/1	NEMA L5-30P 3W	100-120	Single Phase, L-N	20	 (22)5-20R  (20)C13
E20B16M			5		NEMA L6-30P 3W	200-240	Single Phase, L-L		
E18B24M		3	8.6	30(24)/3	NEMA L21-30P 5W	100-120/200-240	3 Phase Wye, L-L	18	 (18)C13

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PRODUCT SPECIFICATIONS (CONTINUED)

BASIC SERIES (continued)

Part Number	Form Factor	# of CBs	Apparent Power (kVA)	Input Current per Phase, Amps/P	Input Plug Type	Input Voltage Range, VAC	Phase Connection	Outlet Count	Outlet Type	
E16B41M	Horizontal 2U	2	2.9	30(24)/1	NEMA L5-30P 3W	100-120	Single Phase, L-N	16	 (16)5-20R	
E16B04M	Vertical 0U MID	0	1.4	15/1	NEMA 5-15P 3W					
E16B08M			1.9	20(16)/1	NEMA L5-20P 3W					
E16B07M					NEMA 5-20P 3W					
E12B30M	Horizontal 1U	0	3.3		20(16)/1	NEMA L5-20P 3W	100-240	Single Phase, L-L	12	 (12)5-20R
E12B46M						NEMA L6-20P 3W				 (12)C13
E12B47M		2	5	30(24)/1	NEMA L6-30P 3W	200-240	 (12)5-20R			
E12B19M		0	1.9	20(16)/1	NEMA 5-20P 3W	100-120	Single Phase, L-N			
E12B02M			1.4	15/1	NEMA 5-15P 3W					
E06B49M		3	8.6	30(24)/3	NEMA L15-30P 4W	200-240	3 Phase Delta, L-L	6	 (6)C19	
E06B48M			8.3	50(40)/1	CS8265 50A 3W		Single Phase, L-L			
E06B48M		6	8.6	30(24)/3	NEMA L21-30P 5W	100-120/200-240	3 Phase Wye, L-L			

MONITORED INPUT - MI SERIES

Part Number	Form Factor	# of CBs	Apparent Power (kVA)	Input Current per Phase, Amps/P	Input Plug Type	Input Voltage Range, VAC	Phase Connection	Outlet Count	Outlet Type
E38D28M	Vertical 0U FULL	3	8.6	30(24)/3	NEMA L21-30P 5W	100-120/200-240	3 Phase Wye, L-N, L-L	38	 (30)C13  (6)C19  (2)5-20R
E36D25M		2	5	30(24)/1	NEMA L6-30P 3W	200-240	Single Phase, L-N	36	 (32)C13  (6)C19
E36D29M		3	10	50(40)/3	CS8365 50A 4W		3 Phase Delta, L-L		 (30)C13  (6)C19
E36D26M			8.3	50(40)/1	CS8265 50A 3W		Single Phase, L-L		
E36D08M			8.6	30(24)/3	NEMA L15-30P 4W		3 Phase Delta, L-L		
E30D02M					NEMA L21-30P 5W	100-120/200-240	3 Phase Wye, L-N, L-L	30	 (20)C13  (4)C19  (6)5-20R
E24D27M	Vertical 0U MID	3			NEMA L15-30P 4W	200-240	3 Phase Delta, L-L	24	 (18)C13  (6)C19
E24D01M					NEMA L21-30P 5W	100-120/200-240	3 Phase Wye, L-L		

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PRODUCT SPECIFICATIONS (CONTINUED)

MONITORED INPUT – MI SERIES

Part Number	Form Factor	# of CBs	Apparent Power (kVA)	Input Current per Phase, Amps/P	Input Plug Type	Input Voltage Range, VAC	Phase Connection	Outlet Count	Outlet Type	
E24D34M	Vertical 0U FULL	6	17.3	60(48)/3	IEC 60309 3P+E 9h 60A (IP44)	200-240	3 Phase Delta, L-L	24	 (12)C13  (12)C19	
E24D07M	Vertical 0U MID	2	5	30(24)/1	NEMA L6-30P 3W		100-240		Single Phase, L-L	 (20)C13  (4)C19
E24D24M		0	3.3	20(16)/1	NEMA L6-20P 3W	100-120			Single Phase, L-N	 (24)5-20R
E24D23M		2	2.9	30(24)/1	NEMA L5-30P 3W		100-120		Single Phase, L-N	 (16)5-20R
E16D22M		0	1.9	20(16)/1	NEMA L5-20P 3W	200-240		Single Phase, L-L	16	 (12)C13  (4)C19
E16D14M	Horizontal 2U	2	5	30(24)/1	NEMA L6-30P 3W		100-120	Single Phase, L-N		 (16)5-20R
E16D12M			2.9		NEMA L5-30P 3W					
E16D21M	Vertical 0U MID	0	1.9	20(16)/1	NEMA 5-20P 3W					
E16D20M			1.4	15/1	NEMA 5-15P 3W					
E16D37M	Horizontal 2U	2	7.4	32/1	IEC 60309 2P+E 6h 32A (IP44)	200-240				
E12D13M	Horizontal 1U	0	3.3	20(16)/1	NEMA L6-20P 3W	100-240	Single Phase, L-L	12	 (12)C13	
E08D11M			1.9		NEMA L5-20P 3W	100-120	Single Phase, L-N	8	 (8)5-20R	
E08D10M					NEMA 5-20P 3W					
E08D09M			1.4	15/1	NEMA 5-15P 3W					
E06D17M			3	8.6	30(24)/3	NEMA L21-30P 5W	100-120/200-240	3 Phase Wye, L-L	6	 (6)C19

ACCESSORIES

Part Number	Description	QTY
ENV01	Temperature & Humidity Sensor	1
PWRCRD1	IEC C19 to IEC 60309 2P+E 6h 16A (IP44)	1
PWRCRD2	IEC C19 to SCHUKO CEE 7	1



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