

ES2P Power Distribution Unit (PDU)

Europe, Middle
East, and Africa

PANDUIT[®]
SPECIFICATION SHEET

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				

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:	100-240 VAC Single Phase 200-240 VAC Single Phase 200-240 VAC 3 Phase WYE 346-415 VAC 3 Phase WYE
Input current (per phase):	16 Amps, 32 Amps
Input power:	3.7 - 22 (kVA)
Input frequency:	50/60 Hz
Output voltage:	100 - 415 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	
E42B11M	Vertical OU FULL	6	22.0	32/3	IEC 60309 3P+N+E 6h 32A (IP44)	200-240/346-415, WYE	3 Phase Wye, L-N	6	 (30)C13  (12)C19	
E42B44M	Vertical OU MID	0	11.0	16/3	IEC 60309 3P+N+E 6h 16A (IP44)	200-240/346-415			 (36)C13  (6)C19	
E42B42M		2	7.4	32/1	IEC 60309 2P+E 6h 32A (IP44)	200-240			Single Phase, L-N	
E30B13M		0	11.0	16/3	IEC 60309 3P+N+E 6h 16A (IP44)	200-240/346-415, WYE	3 Phase Wye, L-N	12	 (24)C13  (6)C19	
E30B06M		2	7.4	32/1	IEC 60309 2P+E 6h 32A (IP44)	100-240	Single-Phase, L-N		 (20)C13  (4)C19	
E24B11M										
E24B10M		0	3.7	16/1	IEC 60309 2P+E 6h 16A (IP44)	100-240	Single-Phase, L-N	24	 (20)C13  (4)C19	
E24B12M		6	22.0	32/3	IEC 60309 3P+N+E 6h 32A (IP44)	200-240/346-415	3 Phase Wye, L-N		 (21)C13  (3)C19	
E22B39M		0	3.7	16/1	IEC 60309 2P+E 6h 16A (IP44)	100-240	Single-Phase, L-N		22	 (20)C13  (2)C19

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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
E20B40M	Vertical 0U MID	2	7.4	32/1	IEC 60309 2P+E 6h 32A (IP44)	200-240	Single-Phase, L-N	20	 (20)C13
E12B01M		0	3.7	16/1	IEC C20 INLET	100-240		12	 (12)C13
E12B36M	Horizontal 1U	2	7.4	32/1	IEC 60309 2P+E 6h 32A (IP44)	200-240			
E12B34M		0	3.7	16/1	IEC 60309 2P+E 6h 16A (IP44)	100-240			
E06B38M		6	22.0	32/3	IEC 60309 3P+N+E 6h 32A (IP44)	200-240/346-415	3 Phase Wye, L-N	6	 (6)C19
E06B35M		2	7.4	32/1	IEC 60309 2P+E 6h 32A (IP44)	200-240	Single Phase, L-N		

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
E42D06M	Vertical 0U FULL	2	7.4	32/1	IEC 60309 2P+E 6h 32A (IP44)	100-240	Single-Phase, L-N	42	 (36)C13  (6)C19
E36D01M		6	22.0	32/3	IEC 60309 3P+N+E 6h 32A (IP44)	200-240/346-415, WYE	3 Phase Wye, L-N	36	 (24)C13  (12)C19
E36D41M		2	7.4	32/1		200-240	Single Phase, L-N		
E30D05M	Vertical 0U MID	0	11.0	16/3	IEC 60309 2P+E 6h 32A (IP44)	200-240/346-415	3 Phase Wye, L-N	30	 (24)C13  (6)C19
E24D12M					IEC 60309 3P+N+E 6h 16A (IP44)	200-240/346-415, WYE		24	 (21)C13  (3)C19
E24D03M		2	7.4	32/1	IEC 60309 2P+E 6h 32A (IP44)	100-240	Single-Phase, L-N		
E24D43M		6	22.0	32/3	IEC 60309 3P+N+E 6h 32A (IP44)	200-240/346-415	3 Phase Wye, L-N		
E24D40M	Vertical 0U MID	0	3.7	16/1	IEC 60309 2P+E 6h 16A (IP44)	100-240	Single Phase, L-N	21	 (20)C13  (4)C19
E21D10M									
E12D36M								12	 (12)C13
E08D01M					IEC C20 INLET			8	 (8)C13

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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



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