

BASIC eCONNECT™ PDU



KEY FEATURES

- 149°F (65°C) temperature rating provides reliable power distribution in hot aisle containment environments today and well into the future
- Universal mounting with tool-less installation hardware that is spaced to match the mounting brackets in most ITC cabinets
- Low profile design that fits in the OU space at the side of your equipment cabinet and does not block access to equipment mounting rails or exhaust airflow from equipment
- Broad selection of standard configurations that combine different power inlets/plugs with a mix of outlets to match your facility requirements
- More power options including support for special applications like 120/240 Volt split-phase and 380-415 Volt three-phase inputs

APPLICATIONS

- CPI's Basic eConnect™ PDUs provide simple, reliable power distribution to equipment in your cabinets

USE WITH

- CPI Cabinet Systems
- CPI Rack Systems

RELATED ACCESSORIES

- Remote Infrastructure Management (RIM-600) System
- LCD/KVM Drawers and Switches



Power Options – Broad selection to support most applications

Cord Retention Tethers – Secure power cords to C13 and C19 outlets

Universal Mounting – Tool-less installation hardware

CPI's Basic eConnect™ PDUs are a new generation of power distribution products that connect you to your evolving enterprise data center. Whether you need to connect a few pieces of equipment or need to support high density computing with multiple blade servers in every cabinet, Basic eConnect PDUs provide simple, reliable power distribution to equipment in your cabinets.

Choose a Basic eConnect PDU for reliable power distribution in high density applications when no local or remote power monitoring is required. Basic eConnect PDUs are rated for use in ambient air temperatures up to 149°F (65°C) and can be confidently deployed in cabinets with CPI Vertical Exhaust Ducts or in hot aisle containment applications. Universal tool-less mounting hardware allows the PDU to attach to the mounting brackets in most ITC cabinets. The low profile design, only 2.2"W x 2.2"D (56 mm x 56 mm) at the outlets and 2.8"D (71 mm) at breakers, fits in the OU space along the side of most cabinets and does not block access to the mounting rails or airflow from equipment.

Various combinations of IEC C13, IEC C19 and NEMA 5-20R outlets are spaced and grouped for convenience, and there is an attachment point next to each C13 and C19 outlet for a snap-on power retention cord tether that is used to secure power cord connections. Most PDUs include an attached 10'L (3 m) power cord with an IEC or NEMA style plug rated for 100-125 Volt, 200-240 Volt or 380-415 Volt input. Alternately, some models have an IEC C20 inlet and the power cord is ordered separately to match specific site requirements. Simply choose the plug and outlet combination that matches your power requirements.


















See reverse for product selection or contact CPI Technical Support for configuration assistance.

SPECIFICATIONS




- Single-input, vertical rack-mount PDUs
- For indoor use only, in environmentally controlled areas, may not be used outdoors or in harsh environments
- Power Input:
 - Specific to PDU, alternating current, 50/60 Hz (see table)
 - Stated as a voltage range, maximum current, load and inlet/plug type
- Power Output:
 - Specific to PDU, limited by circuit breakers (see table)
 - On single-phase units output voltage equals input voltage
 - On split-phase and three-phase units output voltage through IEC C13 and C19 outlets is 208 VAC nominal and output voltage through NEMA 5-20R outlets is 120 VAC nominal
- Power Inlet/Plugs:
 - NEMA or IEC power inlet/plug
 - Specific to PDU (see order tables)
- Power Cord:
 - Standard attached cord is 10'L (3.0 m), not rated for plenum use
 - Order cord separately for models with IEC C20 inlet
- Power Outlet Receptacles:
 - NEMA 5-20R, IEC C13 and/or IEC C19 outlets
 - Specific to PDU (see table)
 - Includes power cord retention tethers to secure power cords at C13 and C19 outlets
- Circuit Protection:
 - UL 489 listed, two-pole, hydraulic-magnetic breakers to resist effects of high temperatures
 - Low profile design minimizes size of breaker boxes on PDUs and accidental discharge
 - Number specific to PDU (see table)
- Bonding/Grounding:
 - All PDUs have a grounded power inlet/plug and an external ground connection with a threaded M5 attachment point
 - Includes a grounding kit with a 12"L (300 mm), 12 AWG stranded copper wire jumper
- Certifications:
 - UL
 - CSA C22.2 (Canada)
 - NOM (Mexico)
 - CE (EU)
 - FCC Part 15, Class A
 - EN 55022
 - RoHS Compliant
- Operating Conditions:
 - Temperature: 32°F – 149°F (0°C – 65°C)
 - Relative Humidity: 5% – 95%, non-condensing
 - Elevation: 0 – 10,000 feet (0 – 3,000 meters)
- Storage/Non-Operating Conditions:
 - Temperature: -13 – 149°F (-25 – 65°C)
 - Relative Humidity: 5% – 95%, non condensing
 - Elevation: 0 – 50,000 feet (0 – 15,000 m)
- Installation Hardware:
 - Includes two tool-less mounting shoulder washers and installation hardware
 - The PDU can be installed with the inlet power cord near the top or bottom of the cabinet
 - Washers can be installed spaced 64.75" (1645 mm) or 61.25" (1556 mm) apart to match most rack/cabinet mounting brackets
 - The washers can also be offset 2" (51 mm) to provide additional space at the top or bottom of the cabinet for the power cord in shorter cabinets
- Rack/Cabinet Mounting Brackets:
 - Not included with PDU, order separately
 - Included with most CPI Cabinets, check cabinet specifications
- Finish: Black only

PLUG/INLET TABLE:

POWER RECEPTACLE/OUTLET TABLE:

Single-Phase/Locking	 NEMA L5-20P 110-125 VAC/20A	 NEMA L5-30P 110-125 VAC/30A	 NEMA L6-20P 200-240 VAC/20A	 NEMA L6-30P 200-240 VAC/30A	Receptacles/Outlets	
Split-Phase/Locking	 NEMA L14-20P 120/240 VAC/20A	 NEMA L14-30P 120/240 VAC/30A				
Three-Phase/Locking	 NEMA L15-20P 208 VAC/20A	 NEMA L15-30P 208 VAC/30A	 NEMA L21-20P 208 VAC/20A	 NEMA L21-30P 208 VAC/30A	 NEMA L22-20P 380-415 VAC/20A	 50A CS8365C 208 VAC/40A*
Power Inlet Universal/Locking	 IEC C20 110-125 VAC/20A	 IEC C20 200-240 VAC/20A	 IEC 16A 2P+E 200-240 VAC/16A	 IEC 32A 2P+E 200-240 VAC/32A	 IEC 16A 4P+E 380-415 VAC/16A	

Receptacles/Outlets

 NEMA 5-20R 120 VAC/20A	 IEC C13 UL: 120/208VAC/15A CE: 208VAC/10A	 IEC C19 UL: 120/208VAC/20A CE: 208VAC/16A
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* Note: 50A CS8365C is rated for 50A, but maximum input is 40A on three breaker PDUs.

ORDERING INFORMATION

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW*	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase PDUs								
P1-1A1A5	20	1.9	IEC C20**	1 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1C0A5	20	1.9	NEMA L5-20P	1 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1D0A5	30	2.9	NEMA L5-30P	2 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1D0B5	30	2.9	NEMA L5-30P	2 x 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
110-125 or 200-240 Volt, Single-Phase PDUs								
P1-1A1E3	20	1.9 or 3.3	IEC C20**	1 x 20A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
200-240 Volt, Single-Phase PDUs								
P1-1E0E3	20	3.3	NEMA L6-20P	1 x 20A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1F0B1	30	5.0	NEMA L6-30P	2 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1F0E3	30	5.0	NEMA L6-30P	2 x 20A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1F0G3	30	5.0	NEMA L6-30P	2 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1G0E3	16	2.7	IEC 16A 2P+E	1 x 16A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1H0B1	32	5.3	IEC 32A 2P+E	2 x 16A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1H0E3	32	5.3	IEC 32A 2P+E	2 x 16A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1H0G3	32	5.3	IEC 32A 2P+E	2 x 16A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
120/240 Volt, Split-Phase PDUs								
P1-1J0K4	20	3.3	NEMA L14-20P	1 x 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1K0K4	30	5.0	NEMA L14-30P	2 x 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
208 Volt, Three-Phase PDUs								
P1-1L0B1	20	5.8	NEMA L15-20P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1L0G3	20	5.8	NEMA L15-20P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1N0B1	20	5.8	NEMA L21-20P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1N0B5	20	5.8	NEMA L21-20P	3 x 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1N0K4	20	5.8	NEMA L21-20P	3 x 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1N0L4	20	5.8	NEMA L21-20P	3 x 20A	(24) C13, (9) C19, (3) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1N0G3	20	5.8	NEMA L21-20P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1M0B1	30	8.6	NEMA L15-30P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1M0G3	30	8.6	NEMA L15-30P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1P0B1	30	8.6	NEMA L21-30P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1P0B5	30	8.6	NEMA L21-30P	3 x 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1P0K4	30	8.6	NEMA L21-30P	3 x 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1P0L4	30	8.6	NEMA L21-30P	3 x 20A	(24) C13, (9) C19, (3) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1P0G3	30	8.6	NEMA L21-30P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1T0B1	40	11.5	50A CS8365C	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1T0F3	40	11.5	50A CS8365C	3 x 20A	(24) C13, (12) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1T0G3	40	11.5	50A CS8365C	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
380-415 Volt, Three-Phase PDUs								
P1-1Q0B1	20	11.1	NEMA L22-20P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1Q0G3	20	11.1	NEMA L22-20P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1W0B1	16	8.9	IEC 16A 4P+E	3 x 16A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1W0G3	16	8.9	IEC 16A 4P+E	3 x 16A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)

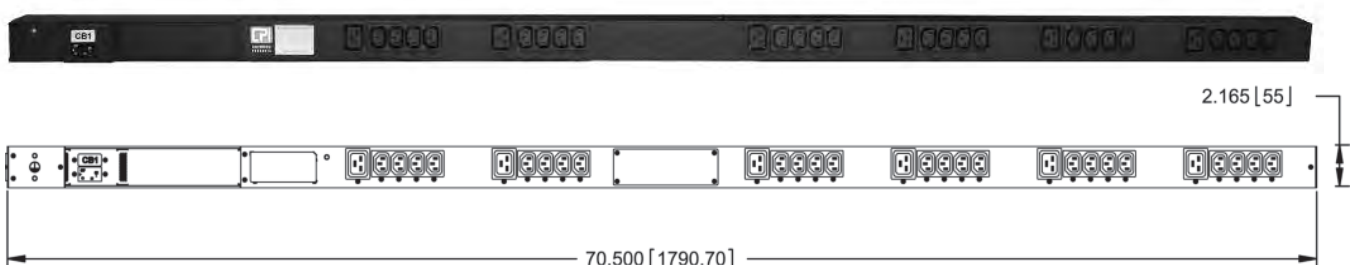
Notes: Order mounting brackets separately. On Single-Phase PDUs, output voltage equals input voltage. On Split- and Three-Phase PDUs, 208 VAC output through C13 and C19 outlets; 120 VAC output through NEMA 5-20R outlets.

* For kW column, all values are derated calculations per UL for use in North America

** Order power cord separately for PDU with C20 input.

DIMENSIONAL DRAWING:

(P1-1A1E3 shown)

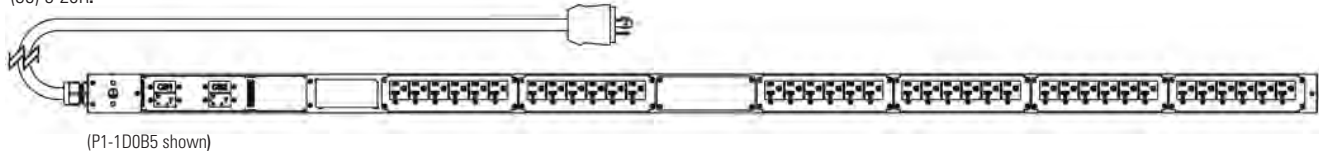


BASIC eCONNECT PDU OULET/CHASSIS STYLES:

(24) 5-20R:



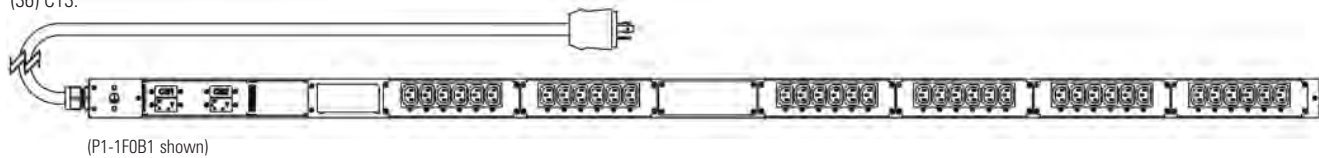
(36) 5-20R:



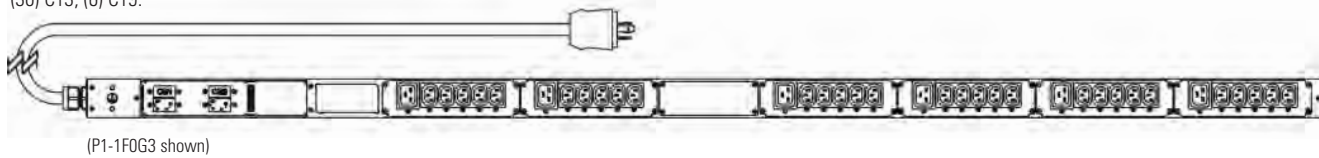
(24)C13, (6) C19:



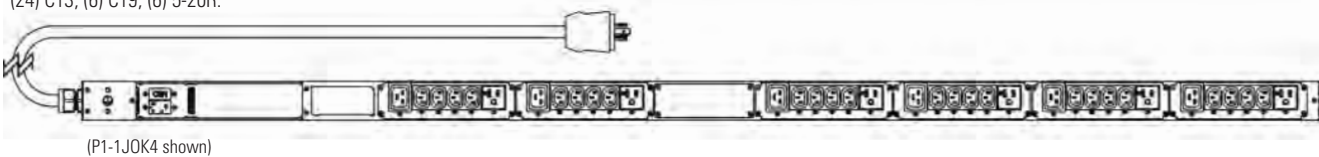
(36) C13:



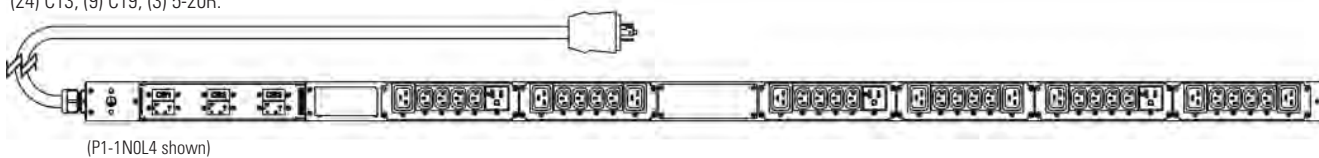
(30) C13, (6) C19:



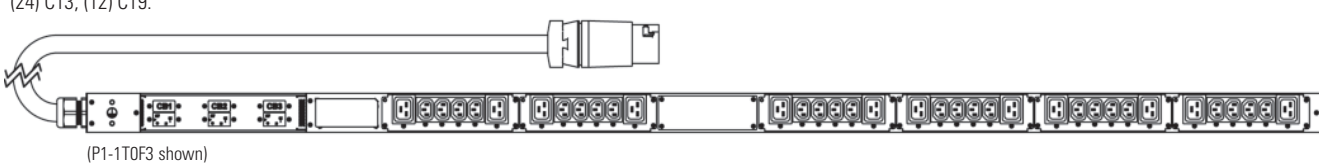
(24) C13, (6) C19, (6) 5-20R:



(24) C13, (9) C19, (3) 5-20R:



(24) C13, (12) C19:



ACCESSORIES:











IEC C20 PDU Input Power Cords

Input power cords for use with eConnect PDUs that have IEC C20 inlets.

- Select power cord to match power connection in the facility
- IEC C19 Connector attaches to the C20 Inlet on the PDU
- Sold individually, order one power cord per PDU

Part Number	Description	Shipping Weight lb (kg)
17763-001	PDU Input Power Cord, 110-125 VAC or 200-240 VAC, IEC C19 Connector to IEC C20 Plug, 10'L (3 m)	3 (1.4)
17763-002	PDU Input Power Cord, 110-125 VAC, IEC C19 Connector to NEMA 5-15P Plug, 8'2"L (2.4 m)	3 (1.4)
17763-003	PDU Input Power Cord, 110-125 VAC, IEC C19 Connector to NEMA 5-20P Plug, 8'2"L (2.4 m)	3 (1.4)
17763-004	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to NEMA 6-15P Plug, 8'2"L (2.4 m)	3 (1.4)
17763-005	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to NEMA 6-20P Plug, 8'2"L (2.4 m)	3 (1.4)
17763-006	PDU Input Power Cord, 110-125 VAC, IEC C19 Connector to NEMA L5-15P Plug, 10'L (3 m)	3 (1.4)
17763-007	PDU Input Power Cord, 110-125 VAC, IEC C19 Connector to NEMA L5-20P Plug, 10'L (3 m)	3 (1.4)
17763-008	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to NEMA L6-15P Plug, 10'L (3 m)	3 (1.4)
17763-009	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to NEMA L6-20P Plug, 10'L (3 m)	3 (1.4)
17763-010	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to IEC 16A 2P+E Plug, 10'L (3 m)	3 (1.4)

Power Cord Plug Table:

Locking Plugs (Single-Phase)	NEMA L5-15P  110-125VAC/15A	NEMA L5-20P  110-125VAC/20A	NEMA L6-15P  200-240VAC/15A	NEMA L6-20P  200-240VAC/20A
Straight Plugs	NEMA 5-15P  110-125VAC/15A	NEMA 5-20P  110-125VAC/20A	NEMA 6-15P  200-240VAC/15A	NEMA 6-20P  200-240VAC/20A
IEC Plugs	IEC 60320 C-19/C-20  110-240VAC/20A	IEC 16A 2P+E  200-240 VAC/16A		

SERVICE PARTS:

eConnect PDU Service Parts

Order eConnect PDU Service Parts as replacement parts.

- Cord Retention Tethers are used with cable ties to secure power cords next to C13 and C19 outlets and to C20 power inlets. The tethers snap onto a small stud next to each outlet/inlet on the PDU. Order cable ties separately.
- Ground Wire Kit includes a ground strap and installation hardware to create an external ground connection for the PDU chassis
- Tool-less Mounting Hardware Kit includes shoulder washers and installation hardware used to mount the PDU on rack and cabinet mounting brackets; mounting brackets are sold separately

Part Number	Description	Shipping Weight lb (kg)
17762-003	Cord Retention Tethers, Pack of 50	1 (0.5)
17762-002	Ground Wire Kit	1 (0.5)
17762-001	Tool-less Mounting Hardware Kit, Pack of 2	1 (0.5)

Note: Each PDU includes the components above. Order these components as replacement/service parts.

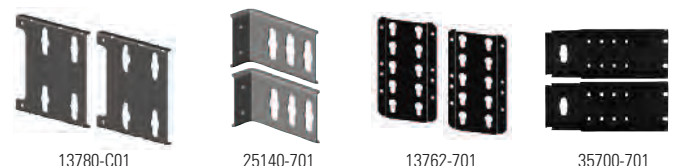
Vertical PDU Mounting Bracket Kit

Used to attach Vertical PDUs to CPI Cabinet and Rack Systems.

- Each Mounting Bracket Kit includes a pair of mounting brackets to support the PDU.
- Select the kit to match the cabinet or rack model.

Part Number	Description	Shipping Weight lb (kg)
13780-C01	For F-Series TeraFrame Cabinet System	2 (0.9)
25140-701	For GF-Series GlobalFrame Cabinet System	2 (0.9)
13762-701	For M-Series MegaFrame Cabinet System or C-Series SlimFrame Cabinet System	2 (0.9)
35700-701	For Rack Systems	2 (0.9)

Note: Mounting Bracket Kits are included with CPI Cabinet Systems.



13780-C01

25140-701

13762-701

35700-701