




For use in data centers and equipment room racks and cabinets. Designed for reliable use in high-density, high temperature environments. Locking outlets provide additional stability and prevent accidental disconnections.

Basic eConnect® PDU

ADVANTAGES

-  **High Temperature Rating**
Designed to withstand ambient air temperatures up to 149°F (65°C)
-  **Preinstalled Option**
Eases installation and deployment
-  **Locking Outlets**
New, patent pending Click Secure Locking Outlets prevent accidental power loss



KEY FEATURES

- Ensures reliability within modern day data centers with high hot aisle temperatures, as a result of 149°F (65°C) ambient temperature rating
- Protects equipment from current spikes and nuisance tripping with highly reliable, heat tolerant 100% rated magnetic hydraulic breakers
- Prevents accidental disconnections through optional locking outlets, which ensure straight cords stay securely fastened to IEC outlets
- Vertical PDU installs quickly with universal, tool-less mounting hardware or available shipped preinstalled in CPI cabinets
- Offers a broad range of standard configurations, combining different power inlets/plugs and outlets for configurations that match facility requirements
- Fits in the Zero-U space at the side of cabinets and does not block access to equipment mounting rails or exhaust airflow



SPECIFICATIONS

Description:	Single-input, vertical rack-mount PDUs
Use:	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 ordering table) Stated as voltage range, maximum current, load and inlet/plug type
Power Output:	Specific to PDU, limited by circuit breakers (see ordering table)
Power Inlet/Plugs:	NEMA or IEC power inlet/plug, specific to PDU (see order tables)
Power Cord:	Standard attached cord is 10'L (3 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 order table) Includes power cord retention tethers to secure straight power cords at all non-locking outlets Optional Click Secure Locking IEC Outlets
Circuit Protection:	UL 489 listed, single-pole or two-pole, hydraulic-magnetic breakers to resist effects of high temperatures Low-profile design minimizes size of breaker boxes on PDUs and prevents accidental discharge Number and type specific to PDU (see table)
Grounding/Bonding:	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, and drop in attachment hardware for F-Series TeraFrame Gen 3 Cabinet, N-Series TeraFrame Gen 3 Cabinet or GF-Series GlobalFrame Gen 2 Cabinet
Finish:	Black only

Global Availability

US & Canada

+1-800-834-4969
Toronto, Ontario, Canada
+905-850-7770
chatsworth.com
techsupport@chatsworth.com

Latin America

+52-55-5203-7525
Toll Free within Mexico
01-800-01-7592
chatsworth.com.co

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+971-4-2602125
chatsworth.ae

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chatsworth.com.cn



CHATSWORTH
PRODUCTS

SPECIFICATIONS

Certifications:	UL, CSA C22.2 (Canada), CE (EU), FCC Part 15, Class A, EN 55022, RoHS Compliant
Operating Conditions:	Temperature: 32°F – 149°F (0°C – 65°C) at Input Power Rating (kW)
	Relative Humidity: 5% – 95%, non-condensing
	Elevation: 0 – 10,000 feet (0 – 3,000 meters)
Storage/NonOperating Conditions:	Temperature: -13°F – 149°F (-25°C – 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 PDUs that are 75"H (1905 mm) must be placed in 45U or taller cabinets
Rack/Cabinet Mounting Brackets:	Not included with PDU, order separately Included with most CPI Cabinets, check cabinet specifications

Design

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 support high-density computing with multiple blade servers in every cabinet, Basic eConnect PDUs provide simple, reliable power distribution to equipment in your racks and cabinets.

Choose a Basic eConnect PDU for reliable power distribution in high-density applications when local or remote power monitoring is not required. CPI's Basic eConnect PDUs feature locking IEC outlets, universal tool-less mounting and can be confidently deployed in cabinets with CPI Vertical Exhaust Ducts or in hot aisle containment applications with ambient air temperatures up to 149°F (65°C).

Ease of Deployment

eConnect PDUs with IEC outlets are available with CPI's new Click Secure Locking Outlets, which prevent accidental disconnections. This patent pending feature securely fastens straight equipment power cords to the PDU, protecting your power from sudden disruptions. Simply insert the equipment plug into locking outlet, easily clicking it into the locked position. To release, lightly squeeze the locking mechanism. Locking outlets secure cords but still maintain the PDU's space-saving, low-profile design, while NEMA outlets use retention tethers to keep power cords securely fastened. PDUs without locking outlets are also available.

eConnect PDUs are suitable for global use. 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, and some models have an IEC C20 inlet, allowing the power cords to be ordered separately to match specific site requirements. See reverse for product selection, or contact CPI Technical Support for configuration assistance.

USE WITH

- CPI Cabinet Systems
- CPI Rack Systems

RELATED PRODUCTS

- Input Power Cords
- Mounting Brackets
- Remote Infrastructure Management



New - Click Secure Locking Outlets!

This patent pending feature securely fastens straight equipment power cords to the PDU, protecting your power from sudden disruptions. Simply insert the equipment plug into locking outlet, easily clicking it into the locked position. To release, lightly squeeze the locking mechanism. Locking outlets secure cords but still maintain the PDU's space-saving, low-profile design.

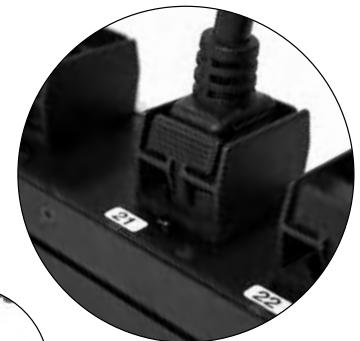
Insert - Click!



Squeeze locking mechanism



Release Plug



ORDERING INFORMATION

Basic eConnect PDUs									
Part Number		Input			Output		Dimensions - in (mm)		
Locking Outlet	Standard Outlet	Amp	kW*	Plug	Breakers (Hydraulic Magnetic)	Outlets	H***	W	D
100-240 Volt, Single-Phase Input - Worldwide									
N/A	P1-1A1A5	20	1.9*	C20 Inlet**	1 x 2P 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1A1E3	P1-1A1E3	16/20'	3.6****	C20 Inlet**	1 x 2P 20A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
120 Volt, Single-Phase Input - North America Models									
N/A	P1-1C0A5	20	1.9*	L5-20P	1 x 2P 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
N/A	P1-1D0A5	30	2.8*	L5-30P	2 x 2P 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
N/A	P1-1D0B5	30	2.8*	L5-30P	2 x 2P 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
120-208 Volt, Single-Phase Input - North America Models									
L1-1K0K4	P1-1K0K4	30	4.9*	L14-30P	2 x 2P 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
N/A	P1-1J0K4	20	3.3*	L14-20P	1 x 2P 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
N/A	P1-1P0L4	30	6.6*	L21-30P	3 x 2P 20A	(24) C13, (9) C19, (3) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
208 Volt, Single-Phase Input - North America Models									
L1-1E0E3	P1-1E0E3	20	3.3*	L6-20P	1 x 2P 20A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1F0E3	P1-1F0E3	30	4.9*	L6-30P	2 x 2P 20A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1F0G3	P1-1F0G3	30	4.9*	L6-30P	2 x 2P 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1F0B1	P1-1F0B1	30	4.9*	L6-30P	2 x 2P 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
120/208 Volt, Three-Phase Input - North America Models									
L1-1N0K4	P1-1N0K4	20	5.7*	L21-20P	3 x 2P 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1N0G3	P1-1N0G3	20	5.7*	L21-20P	3 x 2P 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1N0B1	P1-1N0B1	20	5.7*	L21-20P	3 x 2P 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1P0K4	P1-1P0K4	30	8.6*	L21-30P	3 x 2P 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1P0G3	P1-1P0G3	30	8.6*	L21-30P	3 x 2P 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1P0B1	P1-1P0B1	30	8.6*	L21-30P	3 x 2P 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
N/A	P1-1N0L4	20	5.7*	L21-20P	3 x 2P 20A	(24) C13, (9) C19, (3) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
N/A	P1-1N0B5	20	5.7*	L21-20P	3 x 2P 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
N/A	P1-1P0B5	30	5.7*	L21-30P	3 x 2P 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
208 Volt, Three-Phase Input - North America Models									
L1-1M0B1	P1-1M0B1	30	8.6*	L15-30P	3 x 2P 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1M0G3	P1-1M0G3	30	8.6*	L15-30P	3 x 2P 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1T0F3	P1-1T0F3	50	9.9*	CS8365C	3 x 2P 20A	(24) C13, (12) C19	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1T0G3	P1-1T0G3	50	9.9*	CS8365C	3 x 2P 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1T0B1	P1-1T0B1	50	5.7*	CS8365C	3 x 2P 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
N/A	P1-1L0B1	20	5.7*	L15-20P	3 x 2P 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
N/A	P1-1L0G3	20	5.7*	L15-20P	3 x 2P 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
240/415 Volt, Three-Phase Input - North America Models									
L1-2R0H3	P1-2R0H3	30	17.2*	L22-30P	6 x 1P 20A	(36) C13, (6) C19	72.0 (1829)	2.35 (60)	2.2 (56)
N/A	P1-1Q0B1	20	11.4*	L22-20P	3 x 2P 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
N/A	P1-1Q0G3	20	11.4*	L22-20P	3 x 2P 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
L1-2R0F3	P1-2R0F3	30	17.2*	L22-30P	6 x 1P 20A	(24) C13, (12) C19	72.0 (1829)	2.35 (60)	2.2 (56)

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

'Amperage: 20A within North America and 16A Outside of North America.

* For kW column, all values are derated calculations per UL for use in North America. The Input Amp column lists the maximum rated value of the Input Plug/inlet and circuit breaker rating. UL/NEC regulatory code requires current ratings on product labels to be derated to 80% of the maximum rated values (for example: 20 Amp = 16 Amp on UL product label). For the Input kW column, all values are derated calculations per UL for use in North America.

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

*** PDUs that are 72"H (1829 mm) must be placed in 44U or taller CPI cabinets.

**** Capacity when used at 230V with a 16A power cord. Actual capacity will vary if connected to lower voltage or to a lower amperage input plug.

ORDERING INFORMATION

Basic eConnect PDUs - Outside North America									
Part Number		Input			Output		Dimensions - in (mm)		
Locking Outlet	Standard Outlet	Amp	kW*	Plug	Breakers (Hydraulic Magnetic)	Outlets	H***	W	D
220-240 Volt, Single-Phase Input									
L1-1G0E3	P1-1G0E3	16	3.6¥	IEC 16A 2P+E	1 x 2P 16A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1H0E3	P1-1H0E3	32	7.3¥	IEC 32A 2P+E	2 x 2P 16A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1H0G3	P1-1H0G3	32	7.3¥	IEC 32A 2P+E	2 x 2P 16A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1H0B1	P1-1H0B1	32	7.3¥	IEC 32A 2P+E	2 x 2P 16A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
220-240/380-415 Volt, Three-Phase Input									
L1-1W0G3	P1-1W0G3	16	11±	IEC 16A 4P+E	3 x 2P 16A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
L1-1W0B1	P1-1W0B1	16	11±	IEC 16A 4P+E	3 x 2P 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
L1-2Y0F3	P1-2Y0F3	32	22.1±	IEC 32A 4P+E	6 x 1P 16A	(24) C13, (12) C19	72.0 (1829)	2.35 (60)	2.2 (56)
L1-2Y0H3	P1-2Y0H3	32	22.1±	IEC 32A 4P+E	6 x 1P 16A	(36) C13, (6) C19	72.0 (1829)	2.35 (60)	2.2 (56)

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

* For kW column, all values are derated calculations per UL for use in North America. The Input Amp column lists the maximum rated value of the Input Plug/inlet and circuit breaker rating. UL/NEC regulatory code requires current ratings on product labels to be derated to 80% of the maximum rated values (for example: 20 Amp = 16 Amp on UL product label). For the Input kW column, all values are derated calculations per UL for use in North America.

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

*** PDUs that are 72"H (1829 mm) must be placed in 44U or taller CPI cabinets. PDUs that are 75"H (1905 mm) must be placed in 45U or taller CPI cabinets.

**** Capacity when used at 230V with a 16A power cord. Actual capacity will vary if connected to lower voltage or to a lower amperage input plug.

¥ Capacity when used at a Nominal voltage of 230V.

± Capacity when used at a Nominal voltage of 230V/415V 3 Phase.

For detailed, model-specific dimensions and technical specification information, download the cut sheet for your selected PDU part number by entering it into the CPI website search field at the top right corner of our website: www.chatsworth.com

ACCESSORIES



IEC 16A 2P+E

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

POWER CORD PLUG TABLE:

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



17761-002

Environmental Probe with Temperature and Humidity Sensor

Monitored eConnect PDUs include a single external connection that can attach up to two Environmental Probes using a splitter. When attached, the PDU will report temperature and humidity measurements for each probe on the local display and remotely through the built-in web interface.

- Sold individually or in a kit with two probes and a splitter
- Each probe is a combination temperature and humidity sensor with attached 6'L (1.8 m) cord, allowing the sensor to be positioned appropriately within the cabinet



17762-003



17762-002



39110-C01



13780-C01



25140-701



13762-701

eConnect PDU Accessories		
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)
17761-003	(2) Environmental Probes with (1) Temperature and (1) Humidity Sensor Kit with splitter 72"L (1828 mm) x 2"H (50 mm) x 2"W (50 mm)	1 (0.5)
17761-001	Environmental Probe with (1) Temperature and (1) Humidity Sensor 72"L (1828 mm) x 1"H (25 mm) x 1"W (25 mm)	1 (0.5)
17761-002	Environmental Probe Splitter 6"L (152 mm) x 2"H (50 mm) x 2"W (50 mm)	1 (0.5)




















Note: Splitter is required when attaching two probes together.

Additional Accessories		
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)
39110-C01	Mounting Bracket Kit for F-Series TeraFrame Gen 3 Cabinet or GF-Series GlobalFrame Gen 2 Cabinet System	2 (0.9)
13780-C01	Mounting Bracket Kit for F-Series TeraFrame Gen 2 Cabinet System	2 (0.9)
25140-701	Mounting Bracket Kit for GF-Series GlobalFrame Gen 1 Cabinet System	2 (0.9)
13762-701	Mounting Bracket Kit for M-Series MegaFrame Cabinet or C-Series SlimFrame Cabinet System	2 (0.9)
35700-701	Mounting Bracket Kit for Rack Systems	2 (0.9)

Note: Each PDU includes Cord Retention Tethers, Ground Wire Kit and Tool-less Mounting Hardware. They are listed as Service Parts. Mounting Brackets are included with CPI Cabinet Systems.


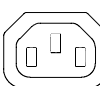

ORDERING INFORMATION

PLUG/INLET 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			
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 120/208 VAC/20A	NEMA L21-30P 120/208 VAC/30A	NEMA L22-20P 380/415 VAC/20A	NEMA L22-30P 380/415 VAC/30A	50A CS8365C 208 VAC/50A*
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 3P+N+E 230/400 VAC/16A	IEC 32A 3P+N+E 230/400 VAC/32A	

* Note: 50A CS8365C is rated for 50A, but maximum input is 35A on three breaker PDUs.

POWER RECEPTACLE/OUTLET TABLE

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

For product CSI Specs, visit the Support & Downloads page on www.chatsworth.com.



Scan or click here to visit our CPI Online Catalog.