

PRODUCT APPLICATION

Power Distribution Units for CPI Rack and Cabinet Systems

With increasing high power density applications, the use of Power Distribution Units (PDUs) to distribute power to equipment in racks and cabinets has become an integral part of the overall data center solution. CPI offers a comprehensive line of PDUs ranging from basic and metered to more advanced monitored and controlled solutions which allow you to identify power problems and track power demand, helping to achieve the most efficient use of available power.

- Choose from NEMA or IEC style plugs and outlet receptacles
- Circuit breakers limit current to protect circuits from overload
- Available with local and networked meters to provide easy current monitoring
- Available with switched outlets to allow remote power control and by-outlet current metering
- Select models integrate with CPI's Scalable Enterprise Management Application (SEMA) software providing IP-based power monitoring and control across your entire enterprise



Tool-less Mounting – Vertical PDUs include universal tool-less mounting hardware and mounting brackets that simplify equipment installation in CPI Racks and Cabinets.

Network Access – Access PDUs through the Ethernet using a web browser or combine with SEMA software to monitor and control the PDU, view current use by circuit segment or phase group remotely and set a current limit that automatically forwards alarms.



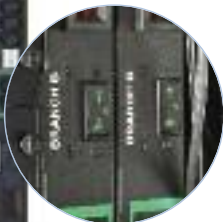
Monitored Outlets – Controlled PDUs measure current use for each controlled outlet. When used with SEMA software, you can associate individual outlets and equipment to report power use by each piece of equipment.

Controlled Outlets – Turn power on or off at each outlet, set a current limit that automatically locks unused outlets in the off state, remotely cycle power to equipment and set a specific interval for each power cycle.



Temperature and Humidity Sensor Port – Monitored and controlled PDUs have an external sensor connection and report temperature and humidity readings through the serial, web or SEMA interfaces.

Digital Meters – Separate digital ammeters in-line with each circuit segment or phase group present the amount of current drawn by equipment, making it easier to judge the amount of remaining power available from each PDU and to balance power use across different segments or phases.



SEMA-Compatible – Monitored and controlled PDUs integrate with SEMA software which provides enterprise-wide web-based access to all connected PDUs and KVM switches.

Circuit Breakers – Separate circuit breakers in-line with each circuit segment or phase group protect equipment by limiting the amount of current and isolating power problems within the rack or cabinet.



SOLUTIONS OVERVIEW:

- CPI PDUs are organized into four progressive levels of power distribution and protection: basic, metered, monitored and controlled.
- The table below lists the features that are included on the PDUs listed under ordering information below.

Included Features	Basic PDU	Metered PDU	Monitored PDU	Controlled PDU
Tool-less Mounting	•	•	•	•
Circuit Breakers	•	•	•	•
Digital Meters		•	•	•
Network Access			•	•
Temp/Humidity Sensor Port			•	•
SEMA-Compatible			•	•
Controlled Outlets				•
Monitored Outlets				•



ORDERING INFORMATION:

Phase	Volts	Amps	Plug	Outlets	Part Numbers	
					T-Series SteelFrame	F-Series TeraFrame
Basic PDUs						
Single-Phase	250	30	L6-30P	(24) C13	35822-171	35822-181
	250	20	L15-20P	(15) C13 (9) C19	35811-112	35811-122
Three-Phase	250	30	L15-30P	(15) C13 (9) C19	35812-142	35812-152
	250	50	CS 3P/4W	(42) C13	35814-173	35814-183
	250	60	3P+E	(15) C13 (9) C19	35815-1D2	35815-1E2
	250	60	3P+E	(42) C13	35815-1D3	35815-1E3

Notes: Vertical PDU, 68.5"H (1740 mm) for use in 43 RMU or taller cabinets. Other options are available.

Metered PDUs						
Single-Phase	250	20	L6-20P	(24) C13	35821-241	35821-251
	250	30	L6-30P	(24) C13	35822-271	35822-281
	230	16	2P+E	(24) C13	35821-211	35821-221
	230	32	2P+E	(24) C13	35823-2D1	35823-2E1
Three-Phase	250	20	L15-20P	(24) C13	35811-211	35811-221
	250	30	L15-30P	(24) C13	35812-241	35812-251
	250	50	CS 3P/4W	(24) C13	35814-271	35814-281
	250	60	3P+E	(24) C13	35815-2D1	35815-2E1

Notes: Vertical PDU, 68.5"H (1740 mm) for use in 43 RMU or taller cabinets. Other options are available.

Monitored PDUs						
Single-Phase	250	20	L6-20P	(24) C13	35821-341	35821-351
	250	30	L6-30P	(24) C13	35822-371	35822-381
	230	16	2P+E	(24) C13	35821-311	35821-321
	230	32	2P+E	(24) C13	35823-3D1	35823-3E1
Three-Phase	250	20	L15-20P	(24) C13	35811-311	35811-321
	250	30	L15-30P	(24) C13	35812-341	35812-351
	250	50	CS 3P/4W	(15) C13 (9) C19	35814-372	35814-382
	250	60	3P+E	(15) C13 (9) C19	35815-3D2	35815-3E2

Notes: Vertical PDU, 68.5"H (1740 mm) for use in 43 RMU or taller cabinets. Other options are available.

Controlled PDUs						
Single-Phase	250	30	L6-30P	(24) C13 (4) C19	35822-573	35822-583
	230	16	2P+E	(24) C13 (4) C19	35821-513	35821-523
	230	32	2P+E	(24) C13 (4) C19	35823-5D3	35823-5E3
Three-Phase	250	30	L15-30P	(24) C13	35812-541	35812-551

Notes: Vertical PDU, 70.5"H (1791 mm) for use in 43 RMU or taller cabinets. Other options are available.

PowerWedge Controlled PDUs						
Single-Phase	250	30	L6-30P	(24) C13		35882-5A2
	230	32	2P+E	(24) C13		35883-5B2

Notes: Horizontal PDU, 19"EIA x 1 RMU x 28"D (711 mm). Other options are available.



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