

# Basic Power Distribution Units (PDUs)

## overview

Panduit Basic Rack PDUs provide reliable and cost effective power distribution in a variety of inputs (Single or Three Phase; Delta or WYE) and outlet configurations (IEC C13, C19, or NEMA compliant).

These Rack PDUs have some of the highest outlet densities and the smallest form factors available in the marketplace. They feature up to 54 outlets and come standard with a 10-foot (3 meter) input power cord. They are capable of mounting vertically (0U) or horizontally (1U or 2U) in a data center/enterprise cabinet or rack using standard mounting buttons or included hardware.

## technical information

| <b>Dimensions:</b> | Height Inch (mm) | Width Inch (mm) | Depth Inch (mm) |
|--------------------|------------------|-----------------|-----------------|
| 1U:                | 1.6 (40.6)       | 17.5 (444.5)    | 2.0 (50.8)      |
| 1U:                | 1.7 (43.2)       | 17.5 (444.5)    | 7.8 (198.1)     |
| 1U:                | 1.7 (43.2)       | 17.5 (444.5)    | 10.6 (269.2)    |
| 2U:                | 3.4 (86.4)       | 17.5 (444.5)    | 7.8 (198.1)     |
| 0U HALF:           | 32.2 (817.9)     | 2.0 (50.8)      | 2.1 (53.3)      |
| 0U HALF (2 sided): | 36 (914.4)       | 2.0 (50.8)      | 4.4 (111.8)     |
| 0U MID:            | 58.7 (1491)      | 2.0 (50.8)      | 2.1 (53.3)      |
| 0U FULL:           | 68.9 (1750.1)    | 2.0 (50.8)      | 2.1 (53.3)      |
| 0U FULL (2 sided): | 71.7 (1821.2)    | 2.0 (50.8)      | 4.4 (111.8)     |
| 0U Full (Wide):    | 68.9 (1750.1)    | 3.3 (83.8)      | 2.1 (53.3)      |

**Mounting:** Vertical units provide up to 54 outlets and do not occupy the EIA space. Horizontal units provide up to 16 outlets and mount in standard (1U or 2U) TIA/EIA rack space.

## key features and benefits

|                                     |  |
|-------------------------------------|--|
| <b>Outlet Density:</b>              | Meets demands of densely packed IT equipment in rack or cabinet space  |
| <b>Form Factor:</b>                 | Optimal form factor takes up less space for efficient rack space utilization   |
| <b>Operating Temperature:</b>       | 60 °C ambient at full load for operational reliability   |
| <b>Cable Retention:</b>             | Our innovative cable tie accepting outlets allow for secure cord retention (C13 & C19 only) using a cable tie for added safety and security. (Panduit part number: PLT2I-C0) |
| <b>Circuit Breakers:</b>            | Protects data center equipment for increased reliability by interrupting potentially hazardous circuit over-current conditions*  |
| <b>Color Coded Circuits*:</b>       | Easily identify phase to outlet banks to aid in fault isolation or load balancing  |
| <b>Multiple input plug options:</b> | A full breadth offering to seamlessly interoperate with existing building power wiring schemes   |
| <b>Multiple Mounting options:</b>   | Enables simple out of the box commissioning and flexibility with Panduit cabinets and industry standard mounting features enabling installation into third party cabinets    |
| <b>Mounting buttons:</b>            | Allows tool-less mounting of rack PDUs for faster installations on vertical 0U units   |
| <b>External Chassis Ground:</b>     | Meets NEC requirements and installation guidelines for IT equipment  |

\* Applies to products outfitted with circuit breakers



# Basic Power Distribution Units (PDUs)

## electrical specifications

|   |  |
|---|--|
| <b>Input Voltage</b>                          | <b>North America</b> <ul style="list-style-type: none"><li>• Single-Phase 120V</li><li>• Single-Phase 208V</li><li>• Single-Phase 240V</li><li>• Three-Phase Delta 208V</li><li>• Three-Phase Wye 120/208V</li><li>• Three-Phase Wye 415V</li></ul> <b>International models</b> <ul style="list-style-type: none"><li>• Single-Phase 240V</li><li>• Three-Phase Wye 240/415V</li></ul> |
| <b>Input Current (per phase)</b>              | <b>North America</b> <ul style="list-style-type: none"><li>• 15A, 20A, 30A, 50A, 60A</li></ul> <b>International models</b> <ul style="list-style-type: none"><li>• 16A, 32A, 63A</li></ul>   |
| <b>Input Power</b>                            | <b>North America</b> <ul style="list-style-type: none"><li>• 1.4 – 17.3 (kVA)</li></ul> <b>International models</b> <ul style="list-style-type: none"><li>• 3.7 – 22 (kVA)</li></ul>   |
| <b>Input Frequency</b>                        | 50/60 Hz   |
| <b>Output Voltage</b>                         | 120 - 240 VAC  |
| <b>Maximum output current (outlet)</b>        | IEC C13: 10A<br>IEC C19: 16A<br>NEMA 5-20R: 16A  |
| <b>Overload protection (where applicable)</b> | Circuit Breakers, hydraulic magnetic   |

10 kAIC Circuit Breakers for all 415V models for North America

## general specifications

|                                       |  |
|---------------------------------------|--|
| <b>Temperature: Operating</b>         | 50° to 140° F (10° to 60° C)   |
| <b>Temperature: Storage</b>           | -4° to 140° F (-20° to 60° C)  |
| <b>Humidity: Relative Operating %</b> | 10% to 90% non-condensing  |
| <b>Humidity: Non-Operating</b>        | 5 to 95% RH, 38.7°C max wet bulb temperature with no cosmetic damage |
| <b>Humidity: Relative Storage %</b>   | 5% to 95%  |
| <b>Elevation: Operating</b>           | 0 to 10,000 ft. (0 to 3000 m)  |
| <b>Elevation: Storage</b>             | 0 to 30,000 ft. (0 to 9144 m)  |
| <b>Conformance Standards</b>          | North America - UL, CB Test Approved<br>International - CE Approved  |
| <b>Environmental Compliances</b>      | RoHS & REACH   |

## cabinet compatibility

Panduit Basic PDUs can be easily installed into Panduit (or third party cabinets) by utilizing the installed mounting buttons (18.4 mm diameter). Where necessary, a Small Diameter (14.5 mm) mounting button is available (sold separately, p/n: MA018). Panduit PDUs feature threaded inserts on the back and both sides for the ultimate in mounting flexibility. They 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.

# Basic Power Distribution Units (PDUs)

## Basic 1-Phase PDU

|      | Region              | Input Current per phase | Form Factor | Input Plug Type | Apparent Power (kVA) | Outlet Count | Outlet Configuration | Length (inches) | Width (inches) | Depth (inches) at Outlet position | Panduit SKU Part No. |
|------|---------------------|-------------------------|-------------|-----------------|----------------------|--------------|----------------------|-----------------|----------------|-----------------------------------|----------------------|
|      | 100-240VAC, 1-Phase | NA                      | 15          | 1U              | 5-15P                | 1.4          | 12                   | (12)5-20R       | 1.6            | 17.5                              | 2.0                  |
| INTL |                     | 16                      | 1U          | IEC 60309-316P6 | 3.7                  | 12           | (12)C13              | 1.6             | 17.5           | 2.0                               | P12B34M              |
| NA   |                     | 20                      | 1U          | 5-20P           | 1.9                  | 12           | (12)5-20R            | 1.6             | 17.5           | 2.0                               | P12B19M              |
| NA   |                     | 20                      | 1U          | L5-20P          | 1.9                  | 12           | (12)5-20R            | 1.6             | 17.5           | 2.0                               | P12B30M              |
| NA   |                     | 20                      | 1U          | L6-20P          | 3.3                  | 12           | (12)C13              | 1.6             | 17.5           | 2.0                               | P12B46M              |
| NA   |                     | 30                      | 1U          | L6-30P          | 5.0                  | 12           | (12)C13              | 1.7             | 17.5           | 7.8                               | P12B47M              |
| INTL |                     | 32                      | 1U          | IEC 60309-332P6 | 7.4                  | 6            | (6)C19               | 1.7             | 17.5           | 7.8                               | P06B35M              |
| INTL |                     | 32                      | 1U          | IEC 60309-332P6 | 7.4                  | 12           | (12)C13              | 1.7             | 17.5           | 7.8                               | P12B36M              |
| NA   |                     | 50                      | 1U          | CS8265C         | 8.3                  | 6            | (6)C19               | 1.7             | 17.5           | 7.8                               | P06B48M              |
| NA   |                     | 30                      | 2U          | L5-30P          | 2.9                  | 16           | (16)5-20R            | 3.4             | 17.5           | 7.8                               | P16B41M              |
| NA   |                     | 15                      | 0U HALF     | 5-15P           | 1.4                  | 16           | (16)5-20R            | 32.2            | 2.0            | 2.1                               | P16B04M              |
| INTL |                     | 16                      | 0U HALF     | IEC 60309-316P6 | 3.7                  | 22           | (20)C13,  (2)C19     | 32.2            | 2.0            | 2.1                               | P22B39M              |
| NA   |                     | 20                      | 0U HALF     | 5-20P           | 1.9                  | 16           | (16)5-20R            | 32.2            | 2.0            | 2.1                               | P16B07M              |
| NA   |                     | 20                      | 0U HALF     | L5-20P          | 1.9                  | 16           | (16)5-20R            | 32.2            | 2.0            | 2.1                               | P16B08M              |
| NA   |                     | 20                      | 0U HALF     | L5-20P          | 1.9                  | 22           | (20)C13,  (2)C19     | 32.2            | 2.0            | 2.1                               | P22B05M              |
| NA   |                     | 20                      | 0U HALF     | L6-20P          | 3.3                  | 22           | (20)C13,  (2)C19     | 32.2            | 2.0            | 2.1                               | P22B10M              |
| NA   |                     | 30                      | 0U HALF     | L5-30P          | 2.9                  | 22           | (22)5-20R            | 32.2            | 2.0            | 2.1                               | P22B09M              |
| NA   |                     | 30                      | 0U HALF     | L6-30P          | 5.0                  | 20           | (20)C13              | 32.2            | 2.0            | 2.1                               | P20B16M              |
| INTL |                     | 32                      | 0U HALF     | IEC 60309-332P6 | 7.4                  | 20           | (20)C13              | 32.2            | 2.0            | 2.1                               | P20B40M              |
| NA   |                     | 30                      | 0U MID      | L6-30P          | 5.0                  | 24           | (20)C13,  (4)C19     | 58.7            | 2.0            | 2.1                               | P24B15M              |
| NA   |                     | 30                      | 0U MID      | L6-30P          | 5.0                  | 42           | (36)C13,  (6)C19     | 58.7            | 2.0            | 2.1                               | P42B17M              |
| INTL |                     | 32                      | 0U MID      | IEC 60309-332P6 | 7.4                  | 30           | (24)C13,  (6)C19     | 58.7            | 2.0            | 2.1                               | P30B06M              |
| INTL |                     | 32                      | 0U MID      | IEC 60309-332P6 | 7.4                  | 42           | (36)C13,  (6)C19     | 58.7            | 2.0            | 2.1                               | P42B42M              |
| INTL |                     | 48                      | 0U MID      | IEC 60309-363P6 | 11.0                 | 36           | (30)C13,  (6)C19     | 58.7            | 2.0            | 2.1                               | P36B43M              |
| NA   |                     | 50                      | 0U MID      | CS8265C         | 8.3                  | 36           | (30)C13,  (6)C19     | 58.7            | 2.0            | 2.1                               | P36B18M              |
| NA   |                     | 50                      | 0U MID      | 50A Hardwire    | 8.3                  | 36           | (30)C13,  (6)C19     | 58.7            | 2.0            | 2.1                               | P36B20M              |

## Basic 3-Phase PDU

|    | Region          | Input Current per phase | Form Factor       | Input Plug Type | Apparent Power (kVA) | Outlet Count | Outlet Configuration        | Length (inches) | Width (inches) | Depth (inches) at Outlet position | Panduit SKU Part No. |
|----|-----------------|-------------------------|-------------------|-----------------|----------------------|--------------|-----------------------------|-----------------|----------------|-----------------------------------|----------------------|
|    | 208VAC, 3-Phase | NA                      | 30                | 1U              | L15-30P              | 8.6          | 6                           | (6)C19          | 1.7            | 17.5                              | 7.8                  |
| NA |                 | 30                      | 1U                | L21-30P         | 8.6                  | 6            | (6)C19                      | 1.7             | 17.5           | 7.8                               | P06B50M              |
| NA |                 | 50                      | 1U                | CS8365C         | 14.4                 | 6            | (6)C19                      | 1.7             | 17.5           | 7.8                               | P06B02M              |
| NA |                 | 60                      | 1U                | IEC 60309-460P9 | 17.3                 | 6            | (6)C19                      | 1.7             | 17.5           | 7.8                               | P06B03M              |
| NA |                 | 30                      | 0U HALF           | L15-30P         | 8.6                  | 18           | (18)C13                     | 32.2            | 2.0            | 2.1                               | P18B21M              |
| NA |                 | 30                      | 0U HALF           | L21-30P         | 8.6                  | 18           | (18)C13                     | 32.2            | 2.0            | 2.1                               | P18B24M              |
| NA |                 | 30                      | 0U MID            | L15-30P         | 8.6                  | 36           | (30)C13,  (6)C19            | 58.7            | 2.0            | 2.1                               | P36B22M              |
| NA |                 | 30                      | 0U MID            | L21-30P         | 8.6                  | 30           | (24)C13,  (3)C19,  (3)5-20R | 58.7            | 2.0            | 2.1                               | P30B25M              |
| NA |                 | 30                      | 0U MID            | L21-30P         | 8.6                  | 36           | (30)C13,  (6)C19            | 58.7            | 2.0            | 2.1                               | P36B26M              |
| NA |                 | 30                      | 0U FULL           | L15-30P         | 8.6                  | 42           | (36)C13,  (6)C19            | 68.9            | 2.0            | 2.1                               | P42B23M              |
| NA |                 | 30                      | 0U FULL           | L21-30P         | 8.6                  | 42           | (36)C13,  (6)C19            | 68.9            | 2.0            | 2.1                               | P42B27M              |
| NA |                 | 50                      | 0U FULL           | CS8365C         | 10.0                 | 42           | (36)C13,  (6)C19            | 68.9            | 2.0            | 2.1                               | P42B28M              |
| NA |                 | 60                      | 0U FULL           | IEC 60309-460P9 | 17.3                 | 24           | (12)C13,  (12)C19           | 68.9            | 2.0            | 2.1                               | P24B14M              |
| NA |                 | 50                      | 0U HALF - 2 sided | CS8365C         | 14.4                 | 24           | (18)C13,  (6)C19            | 36.0            | 2.0            | 4.4                               | P24B29M              |
| NA |                 | 60                      | 0U HALF - 2 sided | IEC 60309-460P9 | 17.3                 | 24           | (18)C13,  (6)C19            | 36.0            | 2.0            | 4.4                               | P24B32M              |
| NA |                 | 50                      | 0U FULL - 2 sided | CS8365C         | 14.4                 | 48           | (36)C13,  (12)C19           | 71.7            | 2.0            | 4.4                               | P48B31M              |
| NA |                 | 60                      | 0U FULL - 2 sided | IEC 60309-460P9 | 17.3                 | 48           | (36)C13,  (12)C19           | 71.7            | 2.0            | 4.4                               | P48B33M              |

# Basic Power Distribution Units (PDUs)

## Basic 3-Phase PDU (continued)

|                     | Region | Input Current per phase | Form Factor       | Input Plug Type                | Apparent Power (kVA) | Outlet Count     | Outlet Configuration | Length (inches) | Width (inches) | Depth (inches) at Outlet position | Panduit SKU Part No. |
|---------------------|--------|-------------------------|-------------------|--------------------------------|----------------------|------------------|----------------------|-----------------|----------------|-----------------------------------|----------------------|
| 240/415VAC, 3-Phase | INTL   | 16                      | 1U                | IEC 60309-516P6                | 11.0                 | 6                | (6)C19               | 1.6             | 17.5           | 2.0                               | P06B37M              |
|                     | INTL   | 32                      | 1U                | IEC 60309-532P6                | 22.0                 | 6                | (6)C19               | 1.7             | 17.5           | 7.8                               | P06B38M              |
|                     | INTL   | 16                      | 0U MID            | IEC 60309-516P6                | 11.0                 | 30               | (24)C13,  (6)C19     | 58.7            | 2.0            | 2.1                               | P30B13M              |
|                     | INTL   | 16                      | 0U MID            | IEC 60309-516P6                | 11.0                 | 42               | (36)C13,  (6)C19     | 58.7            | 2.0            | 2.1                               | P42B44M              |
|                     | INTL   | 32                      | 0U FULL           | IEC 60309-532P6                | 22.0                 | 24               | (12)C13,  (12)C19    | 68.9            | 2.0            | 2.1                               | P24B12M              |
|                     | INTL   | 32                      | 0U FULL           | IEC 60309-532P6                | 22.0                 | 42               | (30)C13,  (12)C19    | 68.9            | 2.2            | 2.1                               | P42B11M              |
|                     | INTL   | 32                      | 0U FULL - 2 sided | IEC 60309-532P6                | 22.0                 | 48               | (36)C13,  (12)C19    | 71.7            | 2.0            | 4.4                               | P48B45M              |
| 415VAC, 3-Phase     | NA     | 30                      | 1U                | IEC 60309 3P+N+E 6h 30A (IP67) | 17.3                 | 6                | (6)C19               | 1.7             | 17.5           | 10.6                              | P06B01M              |
|                     | NA     | 30                      | 1U                | IEC 60309 3P+N+E 6h 30A (IP44) | 17.3                 | 6                | (6)C19               | 1.7             | 17.5           | 10.6                              | P06B05M              |
|                     | NA     | 30                      | 1U                | NEMA L22-30P                   | 17.3                 | 6                | (6)C19               | 1.7             | 17.5           | 10.6                              | P06B04M              |
|                     | NA     | 30                      | 0U FULL           | IEC 60309 3P+N+E 6h 30A (IP67) | 17.3                 | 24               | (12)C13,  (12)C19    | 68.9            | 2.0            | 2.1                               | P24B01M              |
|                     | NA     | 30                      | 0U FULL           | IEC 60309 3P+N+E 6h 30A (IP44) | 17.3                 | 24               | (12)C13,  (12)C19    | 68.9            | 2.0            | 2.1                               | P24B03M              |
|                     | NA     | 30                      | 0U FULL           | NEMA L22-30P                   | 17.3                 | 24               | (12)C13,  (12)C19    | 68.9            | 2.0            | 2.1                               | P24B02M              |
|                     | NA     | 30                      | 0U FULL           | IEC 60309 3P+N+E 6h 30A (IP67) | 17.3                 | 36               | (24)C13,  (12)C19    | 68.9            | 2.0            | 2.1                               | P36B01M              |
|                     | NA     | 30                      | 0U FULL           | IEC 60309 3P+N+E 6h 30A (IP44) | 17.3                 | 36               | (24)C13,  (12)C19    | 68.9            | 2.0            | 2.1                               | P36B03M              |
|                     | NA     | 30                      | 0U FULL           | NEMA L22-30P                   | 17.3                 | 36               | (24)C13,  (12)C19    | 68.9            | 2.0            | 2.1                               | P36B02M              |
|                     | NA     | 30                      | 0U FULL - 2 sided | IEC 60309 3P+N+E 6h 30A (IP67) | 17.3                 | 48               | (36)C13,  (12)C19    | 71.7            | 2.0            | 4.4                               | P48B01M              |
|                     | NA     | 30                      | 0U FULL - 2 sided | IEC 60309 3P+N+E 6h 30A (IP44) | 17.3                 | 48               | (36)C13,  (12)C19    | 71.7            | 2.0            | 4.4                               | P48B07M              |
|                     | NA     | 30                      | 0U FULL - 2 sided | NEMA L22-30P                   | 17.3                 | 48               | (36)C13,  (12)C19    | 71.7            | 2.0            | 4.4                               | P48B02M              |
|                     | NA     | 30                      | 0U FULL - Wide    | NEMA L22-30P                   | 17.3                 | 48               | (48)C13              | 68.9            | 3.3            | 2.1                               | P48B03M              |
|                     | NA     | 30                      | 0U FULL - Wide    | IEC 60309 3P+N+E 6h 30A (IP67) | 17.3                 | 48               | (48)C13              | 68.9            | 3.3            | 2.1                               | P48B04M              |
|                     | NA     | 30                      | 0U FULL - Wide    | IEC 60309 3P+N+E 6h 30A (IP44) | 17.3                 | 48               | (48)C13              | 68.9            | 3.3            | 2.1                               | P48B08M              |
|                     | NA     | 30                      | 0U FULL - Wide    | IEC 60309 3P+N+E 6h 30A (IP67) | 17.3                 | 54               | (48)C13,  (6)C19     | 68.9            | 3.3            | 2.1                               | P54B01M              |
|                     | NA     | 30                      | 0U FULL - Wide    | IEC 60309 3P+N+E 6h 30A (IP44) | 17.3                 | 54               | (48)C13,  (6)C19     | 68.9            | 3.3            | 2.1                               | P54B02M              |
| NA                  | 30     | 0U FULL - Wide          | NEMA L22-30P      | 17.3                           | 54                   | (48)C13,  (6)C19 | 68.9                 | 3.3             | 2.1            | P54B03M                           |                      |

Note: MOQ 80 & LT 20 Business Days applies for all 415V PDUs for N. America. All 415V PDUs for N. America feature 10 KAIC circuit breakers.

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