

RACK PDU'S | BATTLE CARD

Quick Guide to Rack Power Distribution Units

AUSTIN HUGHES®

Benefits to End User. Intelligent PDUs

Flexible PDU Configuration on Short Lead Time

Austin Hughes designs highly reliable intelligent PDUs with inhouse efficient production, assembly and inventory. Every InfraPower PDU unit is 100% tested prior to dispatch.

Billing-grade Meter Accuracy Within +/- 0.5%

InfraPower Intelligent PDU provides real-time local & remote power monitoring of current (amps), voltage, power (kVA, kW), power factor and energy consumption (kWh) with +/- 0.5% billing-grade accuracy.

Free Management Software

InfraPower offers the following free software:

- IPM-04 management software w/ reporting
- Web-based GUI PPS-02-S
- SNMP V2 / V3 or REST API for integration to 3rd party DCIM

Connectivity

Z Series PDUs have embedded dual Gigabit ethernet LAN IP for redundant network access via IP. To daisy chain units, each PDU can simply be connected in series to the next by Cat5/6 cables. With the 1st level Z PDU with embedded IP, up to 32 daisy chain levels can be achieved.

M Series PDUs have IP connection via Z meter PDU or IP dongle.

Dual LAN - PDU IP Dongle (IPD-03-S):

- Allows up to 32 PDUs / daisy chain levels using a single IP address
- Supports 10/100 & gigabit LAN ethernet
- Dual LAN network failover
- Simultaneous access to IPM-04 management software & Web based GUI for SNMP v2/v3 integration

Z and M series 1-phase/ 3-phase PDUs can be inter-cascaded in a single daisy chain, up to 32 PDU levels.

Outlets.

X19 Slide-lock C13/C19 Outlets

- Patented IEC C13 & C19 outlets with slide-lock mechanism design by Austin Hughes.
- X19 outlets provide flexibility to connect C13-C14 / C19-C20 power cords in the same outlet.

L13 Slide-Lock C13 Outlet

- Built-in sliding locking lever to automatically lock C14 plug after insertion.
- Secures C13-C14 power cords and avoids accidental disconnection.

L19 Slide-Lock C19 Outlet

- Built-in sliding locking lever to automatically lock C20 plug after insertion.
- Secures C19-C20 power cords and avoids accidental disconnection.

LED available for Switched PDUs to indicate outlet ON / OFF status.

Featuring...

- **Hot-Swappable Meter:** Socket power is not interrupted while field replacing
- **2.8" Color Touch LCD Meter:** Largest display screen at top of PDU
- **Sensor Ports:** Temperature, Humidity, Smoke, & Door Sensors optional



8 Colour options: Black, White, Red, Blue, Green, Orange, Yellow, Purple

Resources.



Brochures & Manuals >



Rack PDU Selector Tool >



Rack PDU Range >



RACK PDU'S | CHECKLIST

Questions to Ask to Determine PDU Specification

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What Feature / Technology Level do you need?

- Basic
- Metered (MD 1 Phase / MK 3 Phase)
- Circuit Monitoring (Z / M)
- Circuit + Outlet Monitoring (Zi / Mi)
- Circuit Monitoring + Outlet Switching (ZS / MS)
- Circuit & Outlet Monitoring + Switching (ZSi / MSi)

Z Series iPDU (Z / Zi / ZS / ZSi) = IP PDU

- IP Connection: Embedded Dual LAN IP

M Series iPDU (M / Mi / MS / MSi) = Serial PDU

- IP Connection: via Z meter PDU or IP Dongle

Where will you install it?

- Vertical (Zero U) or Horizontal Mounting: 1U/2U

What Voltage?

- Single Phase (1P) 110V / 208V / 230V
- Three Phase (3P) 208V / 400V

What Amperage?

- E.g. 10A, 13A, 16A, 32A, 63A

What kind of input power plug?

- This is what the PDU will plug into
- Overhead or underfloor Whip or into a UPS

How many outlets & what type?

- Outlet type
- Quantity of each outlet

- X19 Slide-lock C13/C19
- L13 Slide-Lock C13
- L19 Slide-Lock C19
- UK BS1363
- German Schuko
- French
- US NEMA
- Standard IEC C13 & C19

Safety / Protection Needed?

- Resettable Fuse
- Surge Protector
- EMI Filter
- Magnetic Circuit Breaker (MCB)
- Earth-leakage Circuit Breakers
- Residual Current Monitor (RCM)

*Quoting Server Racks?
Remember to check if they need PDUs!*

RESOURCES.

[Rack Brochures & Manuals >](#)

[Rack PDU Range >](#)

[Rack PDU Selector Tool >](#)

Need Help?

sales@austin-hughes.co.uk

Colour Required

- Black (Standard)
- White
- Red
- Blue
- Green
- Orange
- Yellow
- Purple
- Or advise RAL code required!

Will you need to monitor temp & humidity?

Each Intelligent PDU has Sensor ports.

Sensors sold separately:

- Temperature & Humidity Sensor
- Temperature Sensor

FAQs.

iPDUs Supplied with Free Management Software:

- IPM-04 management software with reporting
- Web-based GUI PPS-02-S
- SNMP V2 / V3 or REST API for integration to 3rd party DCIM

PDU Mounting:

- All vertical PDUs are supplied with screw button & universal bracket mounting kits
- All rackmount PDUs are supplied with horizontal rackmount kits

