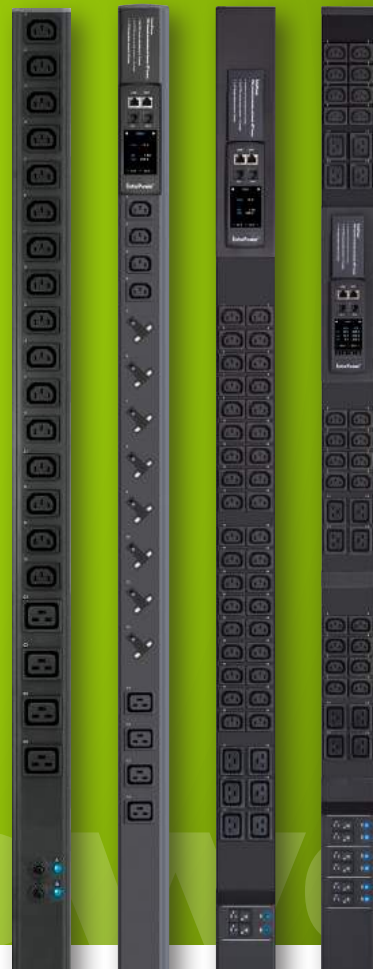




- 3 PHASE
- WSI
- WI
- WS
- W
- MD
- BASIC



Temperature & Humidity Sensors

A pair of sensors can be connected to one single W series PDU meter.

Temperature or Temperature & Humidity (2in1) external sensors are available with 2M or 4M cord.

Sensors have a low profile design with magnetic base for easy affixing to the cabinet/rack.

Field Replaceable Meter (W Models)

The PDU features a field replaceable RMS current meter with **3" colour LCD display** with **touch screen** functionality. The sharp and highly visible display provides local data of current (AMP), voltage (Volt), power (KW), energy consumption (KWh), power factor of the entire PDU. This data has a **metering accuracy to within +/- 1%**.

In addition the module features 2 x environmental plug in ports for temperature and humidity monitoring; all data is then displayed locally on the PDU.

The **field replaceable 3"** display helps eliminate maintenance downtime by simply replacing a possible defective meter without a service interruption. The display will be positioned at top of the PDU.

IP Dongle - SNMP

Hot pluggable IP dongle provides **IP remote access** to the PDUs using a single IP address chain.

Only **one IP dongle** is required to access a maximum of **16 PDUs in a daisy chain**.

Simply integrate the IP dongle to the 1st PDU, then the entire daisy chain group can be remotely accessed over IP.

Coloured Chassis:

Coloured PDU casings provide a simple way to enhance cable management and visualisation of the power sources. It allows differentiation of power feeds (A & B) if required.

The most common combinations are **Red & Blue** or **Black & Grey White**.

Other colours including **Yellow, Green, Orange** and **Purple** are available.

3 PHASE also available

Free Management Software

InfraPower Manager enhances the benefits of W Series PDUs by delivering a centralised **remote management** platform for the PDUs in multiple IP-access groups. The administrator can remotely manage the PDUs and the environmental sensors connected by the web browser.

Latching Relay (WS & WSi Models)

To protect mission critical equipment from unplanned downtime, socket switching must be controlled via bistable/latching relays.

Ensuring an 'always on' operational performance and socket status returning to a pre power outage after a planned or unplanned shutdown.

Per socket sequential start to avoid power surge / overload.

Accidental Release Sleeves

IEC Sleeves offer added protection against the unintentional removal of cables from the PDU C13 or C19 outlets.

The sleeve slides over the C14 or C20 plug and then the combined plug + sleeve fits directly into the PDUs C13 or C19 outlet.

Thermal Resettable Fuse

- Protected load segments for increased reliability
- Overload reset button
- Cost effective solution for safety operation

Or chose to have Circuit Breakers

- Protected load segments for increased reliability
- Overload switch
- Designed with fully shrouded protective cover to prevent accidental ON / OFF operation

Multiple Outlet Configurations

W Series PDUs are available with multiple outlets configurations per each individual PDU. For example; One Vertical PDU with 2xUK, 20xC13, 4xC19 outlets

Need help on determining your outlet configurations? Speak to our Power experts +44 (0)2380 529303 / sales@austin-hughes.eu

Power Feed Entry Flexibility

As standard InfraPower PDUs have bottom power feed entry Customisation to top feed power entry is available on request

3 PHASE | WSI | WI | WS | W | MD | BASIC

InfraPower PDU Family	WSi	WI	WS	W	MD	
	Switched	Monitored	Switched	Monitored	Metered	Basic
	Outlet kWh PDU		kWh PDU			
Outlet measurement	✓	✓				
Outlet Switch ON / OFF	✓		✓			
Latching Relay	✓		✓			
kWh Measurement	✓	✓	✓	✓		
Hot-pluggable Meter	✓	✓	✓	✓		
3" Touchscreen	✓	✓	✓	✓		
DC Module	✓	✓	✓	✓		
SNMP Hardware	✓	✓	✓	✓		
Sensor Port x 2 (Temperature & Humidity)	✓	✓	✓	✓		
Management Software	✓	✓	✓	✓		
16 x PDU in Single Daisy Chain	✓	✓	✓	✓		
One IP Access 16 x PDU Levels	✓	✓	✓	✓		
Aggregate Amp Measurement	✓	✓	✓	✓		
Local Ammeter	✓	✓	✓	✓	✓	
Individual Fuse Optoin	✓	✓	✓	✓	✓	✓
Vertical & Horizontal Mounting	✓	✓	✓	✓	✓	✓
Multiple Outlet Configuration	✓	✓	✓	✓	✓	✓
Tool-less Mounting	✓	✓	✓	✓	✓	✓
Voltage: 110V / 208V / 250V	✓	✓	✓	✓	✓	✓
Fuse / Circuit Breaker - Option	✓	✓	✓	✓	✓	✓
Surge Protector - Option	✓	✓	✓	✓	✓	✓
EMI Filter - Option	✓	✓	✓	✓	✓	✓
Three Phase - Option	✓	✓	✓	✓	✓	✓
Sequential Start	✓		✓			

ACCESSORIES

IP Dongle

- Patented design
- Hot pluggable for easy integration
- Allows IP remote access to the PDUs by a single IP address
- One IP dongle supports max. 16 PDUs in daisy chain
- Highly cost effective method to access the intelligent PDUs
- SNMP

>IP Dongle for Vertical PDU (AHAPDUIPD02S)
>IP Dongle for Horizontal PDU (AHAPDUIPDH02S)



Accidental Release Sleeves

- IEC Sleeves offer added protection against the unintentional removal of cables from the PDU C13 or C19 outlets
- The sleeve slides over the C14 or C20 plug and then the combined plug + sleeve fits directly into the PDUs C13 or C19 outlet

> C13 Cord Sleeve (IEC_C13)
> C19 Cord Sleeve (IEC_C19)



Coloured Power Cords

- Coloured power cords provide the simplest way to enhance cable management and visualize the power sources



Sensors

- External sensor available with 2M or 4M cord
- Plug and play
- Low profile design with magnetic base for easy affixing to the rack cabinet
- Pair of sensors can be connected to one single W series PDU meter

>Temperature & Humidity Sensor (AH-IG-TH012M / 4M)
>Temperature Sensor (AH-IG-T012M / 4M)



External Door Mount PDU Display

- The external door mount PDU display provides a highly visible local display without the need to open the cabinet's rear door to read the PDU(s) information.
- External Door Mount PDU Display provides RJ-11 port x 2 for PDU amp. & Temperature monitoring
 - The display will be connected back to each IP PDU via door and a 3m RJ-11 cable
 - Once connected, the reading of PDU amps and temperature shows in the external door mount display
 - Plug and Play
 - Adjustable Mounting Kit for easy installation onto the majority of cabinet manufactures doors
 - Supplied in black as standard. Available in alternate colours

>External PDU Display (AH-WS-DIS01)



Circuit Breaker

- Protected load segments for increased reliability
- Overload switch
- Designed with fully shrouded protective cover to prevent accidental on/off operation

>16A Circuit Breaker (AHACR16A)
>32A Circuit Breaker (AHACR32A)



Black

> C13-C14 Black 1M (AHA111001) > C19-C20 Black 1M (AHA221001)
> C13-C14 Black 2M (AHA112001) > C19-C20 Black 2M (AHA222001)
> C13-C14 Black 3M (AHA113001) > C19-C20 Black 3M (AHA223001)

Blue

> C13-C14 Blue 1M (AHA111002) > C19-C20 Blue 1M (AHA221002)
> C13-C14 Blue 2M (AHA112002) > C19-C20 Blue 2M (AHA222002)
> C13-C14 Blue 3M (AHA113002) > C19-C20 Blue 3M (AHA223002)

Orange

> C13-C14 Orange 1M (AHA111005) > C19-C20 Orange 1M (AHA221005)
> C13-C14 Orange 2M (AHA112005) > C19-C20 Orange 2M (AHA222005)
> C13-C14 Orange 3M (AHA113005) > C19-C20 Orange 3M (AHA223005)

Coloured Power Distribution Units

- Coloured PDU casings allow differentiation between power sources (generally A & B feeds) within the Server Cabinet

• Suggested combinations:

Blue + Red

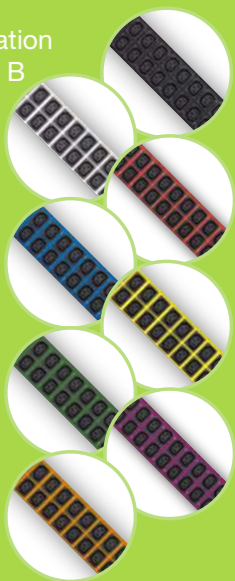
Grey White + Standard Black

Yellow + Green

Orange + Purple

Other colours are available

> The PDU colour can be selected when using the Austin Hughes PDU part code builder



PDU Part Code Builder

AH	V	02	3	20	1	04	2	2	7	3	1	1	1	Optional	
Austin Hughes	Direction	Socket Qty	Socket Type 1	Socket Qty	Socket Type 2	Socket Qty	Socket Type 3	Rating	Model Type	Cord Length	Input Plug	Feed Input	Colour	Protection	Extra Requirement
AH	V = Vertical	02	3=UK 45 Sockets	02	1=C13 Sockets	02	2=C19 Sockets	1= 13A	0=Basic	1=1 Meter	1=60309	1=Bottom	1=Black RAL 9005	1=Circuit Breakers	L=LSZH input cord
	H=Horizontal	04	4=UK 135 Sockets	04		04		2=16A	1=MD	2=2 Meter	2=C20	2=Top	2=Blue Pantone 200c	2=Individually Fused	E=External Earth Cord Supplied
		06	5=UK 90 Sockets	06		06		3=32A	4=W	3=3 Meter	3=UK		3=Red Pantone 300c	3=EMI Filter	S=Special Requirement
		08	6=CEE7/4 Schuko	08		08		4=10A	5=WI	4=4 Meter	4=Schuko		4=Grey White RAL 9002	4=Resettable Individual Fuses	
		10	7=Nema Sockets	10		10		5=20A	6=WS	5=5 Meter	5=Unterminated		5=Yellow RAL 1018	5=Surge Protection	
		12	8=CEE7/5 Schuko	12		12		6=30A	7=WSI	6=6 Meter	6=C14		7=Purple RAL 4006		
		16		14				7=16A (3)		7=7 Meter	7=L6-20P		8=Orange RAL 1007		
		20		16				8=32A (3)		8=8 Meter	8=L6-30P		9=Green RAL 6029		
		24		18				9=63A		9=9 Meter					
				20						0=10 Meter					
				24											
				28											
				32											
				36				(3) = 3 Phase							



InfraPower Manager Software (FREE)

Ultra density PDU Management can be achieved with InfraPower Manager, the associated software for W Series PDUs. Supporting **remote management** of multiple PDU daisy chain groups.

- IPM-04: supports up to 800 PDU's (50 PDU Groups)

IPM-04 provides the basic functions of:

- **Monitoring or measurement of Amps, Volts, kW, kWh, Power factor and Temperature / Humidity**
- **Remote switching ON / OFF per individual power outlets**
- **Reporting**
- **Alarm setting**

- **PDU Outlet measurement**
- **Grouping and chart reporting (These functions are provided by higher software editions)**

InfraPower Manager enhances the benefits of W Series PDUs by delivering a centralised remote management platform for the PDUs in multiple IP-access groups.

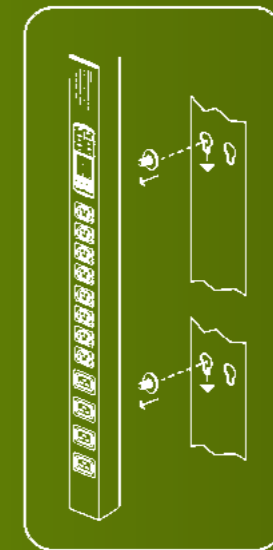
The administrator can remotely manage the PDUs and the environmental sensors connected by the web browser.

- **Wide functionality**
- **Concise monitoring pages**
- **Mass scale PDU management**
- **Scalable solution**
- **Flexibility by multiple users**
- **Cost effective**

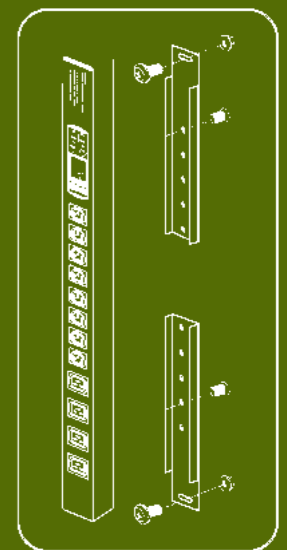


Mounting

- Quick and tool-less integration simplifies PDU installation.
- Universal mounting kits supports all cabinet models.
- **Vertical Button Mounting Kit:** Designed for global branded cabinets with keyhole type mounting holes on the rear verticals
- **Vertical Bracket Mounting Kit:** Easy installation by mounting the PDU to the cabinet cable tray
- Both a Vertical Button Mounting Kit & Vertical Bracket Mounting Kit are supplied as standard per PDU.



Vertical Button Mounting Kit



Vertical Bracket Mounting Kit



3 P H A S E | W S I | W I | W S | W

W Series 3-Phase 400V Intelligent PDU Series

- Sophisticated PDUs Measure Energy Consumption (kWh), Active Power (kW), Apparent Power (kVA), Power Factor, Voltage (Volt) , Current (Amp) , Temperature & Humidity
- Phase Voltage Balance
- PDU Cascading Reducing Data Ports & Network IP Addresses
- Zero Power Consumption Latching Relay for Outlet Control
- Switched / Monitored PDU Models
- Outlet / Circuit Level Measurement
- Capacity Planning via Network IP
- Enterprise Class PDU Software
- SNMP Trap Integration to DCIM
- Custom Configurations Available
- Various Colour Options Available
The most common combinations are **Red & Blue** or **Black & Grey White**.
Other colours including **Yellow, Green, Orange & Purple** are available.



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