

# InfraPower®

## Automatic Transfer Switch

1-Phase 230V / 208V / 110V



### Simpler. Smarter. Superior.

Most data centers provide power source redundancy to ensure that critical devices have no power downtime issues. For rackmount IT equipment without redundant power supplies, InfraPower ATS offers a simple but reliable solution for automatically sensing power loss and seamlessly switching to a secondary power source.

The leading edge ATS solution provides the widest range of configurations with shortest lead-times in the market. Advanced intelligent W-series, intelligent B-series & basic ATS models are available for different technical & budgetary requirements.

**AUSTIN HUGHES®**

## Power Redundancy for Single Corded Devices.

- Most data centers provide power source redundancy in order to ensure that critical devices have no power downtime issue. Some rackmount IT devices, however, are not designed with power redundancy and only single power cord is provided.
- For single-corded devices, InfraPower intelligent ATS is a perfect fit to provide power fallback. It includes dual power inlets, for connection to both a primary power source and a redundant, secondary power source.

## Auto Switching Relay for Seamless Power Transfer

- InfraPower ATS offers a simple but reliable solution for automatically sensing power loss and seamlessly switching to a secondary power source.
- The power source transfer time is seamless to the connected equipment, making sure that the switching occurs safely between the two input power sources. After switching to a backup power source, it can also switch power back to the primary input after power has been restored.

## Remote Monitoring Over IP

- InfraPower intelligent ATS provides a real time monitoring on Amp, Volt and kWh.
- Hence, it helps users with capacity planning and improving the overall power efficiency of the data center.

## Models with Outlet Switching & Outlet Monitoring

- Both WS & WSi ATS series allow outlet switching on / off remotely over network IP, whilst WSi provides outlet monitoring features.

## B-series iATS with Competitive Price

- To meet the rapidly increased needs for iATS, Austin Hughes offers the B-series iATS at an affordable price. B-series iATS with a local LED current meter can achieve the same remote ATS management level ( kWh, Amp, Volt) as W-series iATS.

## Extensive Configuration Selection & Quick Delivery

- The leading edge ATS solution provides the widest range of configurations with shortest lead-times in the market.
- It offers 110V / 208V / 230V models with input range from 10A to 32A, outlet number from 1 to 24 and variety of outlet types ( e.g. NEMA, C13, C19, UK, Schuko, etc ).
- Custom configurations are available upon request.

Simpler.  
Smarter.  
Superior.

ATS model coverage

InfraPower ATS are available with a variety of models and functionality.

ATS Model Coverage	W-series Intelligent ATS			B-series Intelligent ATS		
	WSi	WS	W	BSi	BS	B
Embedded IP	●	●	●	●	●	●
Circuit Power Monitoring	●	●	●	●	●	●
Outlet Level Monitoring	●	✕	✕	●	✕	✕
Outlet Level Switching	●	✕	✕	●	✕	✕
2.0" Color Touch LCD	●	●	●	✕	✕	✕
3-digit LED	✕	✕	✕	●	●	●

W Series

B Series

1

2.0" color LCD display for kWh, current, volt

1

3-digit LED meter display for current only

2

IP port

3

Power LED - primary input

4

Input preference switch

5

Power LED - secondary input

6

Hydraulic MCB

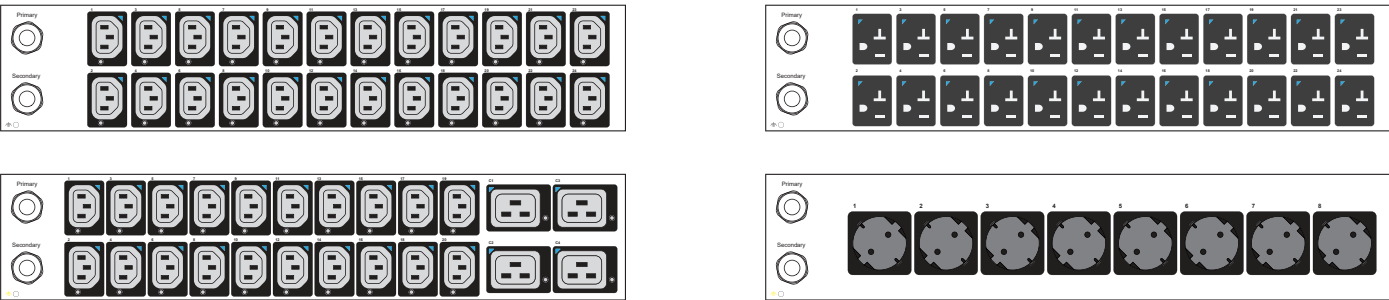
Standard outlet configurations

► 1U ATS Outlet I/O



Custom outlet configuration available on request.

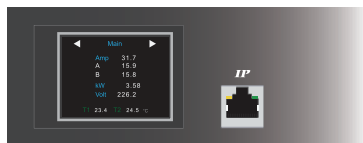
► 2U ATS Outlet I/O



Custom outlet configuration available on request.

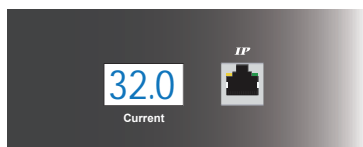
## Availability of W & B series iATS

### W iATS display



For high specification iATS requirements, W series iATS is equipped with 2.0" color touch LCD meter to show kWh, voltage and current status.

### B iATS display



To provide price-competitive iATS to the market, Austin Hughes designed B series iATS. Its LED meter only display the ampere figure. Nevertheless, same as W series iATS, the users can monitor the kWh, voltage and current status over management software GUI or SNMP.

## Outlet Switching & Outlet Measuring models available

In the marketplace, the majority of iATS Solutions primarily offer monitoring capabilities at best. InfraPower iATS features various model classifications: Monitoring, Switching, and Switching with Outlet Measurement. This provides customers with a broader range of selections.

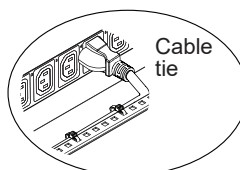
## Hydraulic MCB Bundled by All ATS Models

We noticed that not all vendors' ATS models equipped with safety devices. Austin Hughes believes that all ATS should be bundled with Hydraulic MCB to ensure the equipment connected with a safety protection.

## Cord Retention Tray Bundled by all ATS Models

All InfraPower ATS are bundled with cord retention tray at the side of outlets.

To facilitate the cabling, simply use the cable ties to fasten each power cord to the cord retention tray.



Model Comparison	W-series Intelligent ATS			B-series Intelligent ATS		
	WSi	WS	W	BSi	BS	B
2.0" Color Touchscreen LCD Meter	●	●	●	✗	✗	✗
3-digit RMS Current Meter	✗	✗	✗	●	●	●
Input Source Switching Over IP	●	●	●	●	●	●
Input Source Switching Locally	●	●	●	●	●	●
Outlet Switching Over IP	●	●	✗	●	●	✗
Outlet Power Monitoring Over IP	●	✗	✗	●	✗	✗
Circuit Power Monitoring Over IP	●	●	●	●	●	●
Billing Grade Meter Accuracy, ±1%	●	●	●	●	●	●
Embedded 100/1000 LAN IP	●	●	●	●	●	●
Input Source Transfer Time < 10 ms	●	●	●	●	●	●
Built-in Web Based Management GUI	●	●	●	●	●	●
DCIM support : SNMP V2 / V3	●	●	●	●	●	●
Free Management Software ( Max. 50 iATS )	●	●	●	●	●	●
Single Circuit & Dual Circuit Models	●	●	●	●	●	●
Operating Temperature -5 to 60°C	●	●	●	●	●	●

## Specification

Operating Temperature : -5 to 60 °C  
 Storage Temperature : -25 to 65 °C  
 Operating Altitude : 0 to 2,000 m  
 Storage Altitude : 0 to 15,000 m  
 Humidity (non-condensing) : 8 to 95% RH

Nominal input volt. : 110V / 200-230V  
 Acceptable input volt. : ±10% nominal  
 Input frequency : 50 / 60Hz  
 Transfer time : 10 ms typical  
 Electrical endurance : 1 x 10<sup>5</sup> operations  
 Power consumption : Approx. 20W

## Certificates



### EMC

FCC : FCC 47 CFR Part 15 Subpart B, ICES-003 Issue 7  
 CE / EMC : EN55032:2015/A11:2020  
 EN IEC 61000-3-2:2019/A1:2021  
 EN61000-3-3:2013/A2:2021  
 EN55035:2017/A11:2020

### Safety

CE/ LVD : EN 62368-1:2014, EN 62368-1:2014/A11:2017  
 CB : IEC 62368-1:2014  
 UKCA : BS EN 62368-1:2014+A11: 2017  
 UL-US : UL 62368-1, 2nd Ed., Issue Date: 2014-12-01  
 UL-CA : CSA C22.2 No. 62368-1-14, 2nd Ed., Issue Date: 2014-12-01

### Environment

RoHS, Reach & WEEE

**W series iATS**

- 2.0" Touch color LCD Meter
- 1 x Embedded Gigabit LAN IP

**B series iATS**

- LED current Ammeter
- 1 x Embedded Gigabit LAN IP

**1U - Single Circuit**

Outlet	Volt	2 x 3m cordset	<b>W - Monitoring ATS</b> <b>WS - Outlet switching ATS</b> <b>WSi - Outlet switching + Monitoring ATS</b>	<b>B - Monitoring ATS</b> <b>BS - Outlet switching ATS</b> <b>BSi - Outlet switching + Monitoring ATS</b>
NEMA x 8 NEMA x 10 NEMA x 12	110V	(15A) 5-15P (20A) 5-20P (20A) L5-20P	ATS-H8US-W / WS / WSi ATS-H10US-W / WS / WSi ATS-H12US-W / WS / WSi	ATS-H8US-B / BS / BSi ATS-H10US-B / BS / BSi ATS-H12US-B / BS / BSi
C13 x 8 C13 x 10 C13 x 12 C13 x 8 + C19 x 2	200-230V	(10A) C14 (16A) 60309 (16A) C20 (20A) L6-20P	ATS-H8C13-W / WS / WSi ATS-H10C13-W / WS / WSi ATS-H12C13-W / WS / WSi ATS-H8C13 / 2C19-W / WS / WSi	ATS-H8C13-B / BS / BSi ATS-H10C13-B / BS / BSi ATS-H12C13-B / BS / BSi ATS-H8C13 / 2C19-B / BS / BSi
UK x 8	230V	(13A) BS1363 (16A) 60309	ATS-H8UK-W / WS / WSi	ATS-H8UK-B / BS / BSi
16A 60309 x 1	230V	(16A) 60309	ATS-H1EN16A-W / WS / WSi	ATS-H1EN16A-B / BS / BSi
L6-20R x 1	208V	(20A) L6-20P	ATS-H1L620R-W / WS / WSi	ATS-H1L620R-B / BS / BSi

\*\* Custom configurations available on request

**2U - Single Circuit**

Outlets	Volt	2 x 3m cordset	<b>W - Monitoring ATS</b> <b>WS - Outlet switching ATS</b> <b>WSi - Outlet switching + Monitoring ATS</b>	<b>B - Monitoring ATS</b> <b>BS - Outlet switching ATS</b> <b>BSi - Outlet switching + Monitoring ATS</b>
NEMA x 16 NEMA x 20 NEMA x 24	110V	(15A) 5-15P (20A) 5-20P (20A) L5-20P	ATS-H16US-W / WS / WSi ATS-H20US-W / WS / WSi ATS-H24US-W / WS / WSi	ATS-H16US-B / BS / BSi ATS-H20US-B / BS / BSi ATS-H24US-B / BS / BSi
C13 x 16 C13 x 20 C13 x 24 C13 x 16 + C19 x 4 C13 x 20 + C19 x 4	200-230V	(10A) C14 (16A) 60309 (16A) C20 (20A) L6-20P	ATS-H16C13-W / WS / WSi ATS-H20C13-W / WS / WSi ATS-H24C13-W / WS / WSi ATS-H16C13 / 4C19-W / WS / WSi ATS-H20C13 / 4C19-W / WS / WSi	ATS-H16C13-B / BS / BSi ATS-H20C13-B / BS / BSi ATS-H24C13-B / BS / BSi ATS-H16C13 / 4C19-B / BS / BSi ATS-H20C13 / 4C19-B / BS / BSi
SCH x 8	230V	(16A) 60309 (16A) CEE7	ATS-H8SCH-W / WS / WSi	ATS-H8SCH-B / BS / BSi

\*\* Custom configurations available on request

**2U - Dual Circuit**

Outlets	Volt	2 x 3m cordset	<b>W - Monitoring ATS</b> <b>WS - Outlet switching ATS</b> <b>WSi - Outlet switching + Monitoring ATS</b>	<b>B - Monitoring ATS</b> <b>BS - Outlet switching ATS</b> <b>BSi - Outlet switching + Monitoring ATS</b>
NEMA x 16 NEMA x 20 NEMA x 24	110V	(30A) 5-30P (30A) L5-30P	ATS-H16US-W / WS / WSi ATS-H20US-W / WS / WSi ATS-H24US-W / WS / WSi	ATS-H16US-B / BS / BSi ATS-H20US-B / BS / BSi ATS-H24US-B / BS / BSi
C13 x 16 C13 x 20 C13 x 24 C13 x 8 + C19 x 2 C13 x 16 + C19 x 4 C13 x 20 + C19 x 4	200-230V	(32A) 60309 (30A) L6-30P	ATS-H16C13-W / WS / WSi ATS-H20C13-W / WS / WSi ATS-H24C13-W / WS / WSi ATS-H8C13 / 2C19-W / WS / WSi ATS-H16C13 / 4C19-W / WS / WSi ATS-H20C13 / 4C19-W / WS / WSi	ATS-H16C13-B / BS / BSi ATS-H20C13-B / BS / BSi ATS-H24C13-B / BS / BSi ATS-H8C13 / 2C19-B / BS / BSi ATS-H16C13 / 4C19-B / BS / BSi ATS-H20C13 / 4C19-B / BS / BSi
L6-30R x 1	208V	(30A) L6-30P	ATS-H1L630R-W / WS / WSi	ATS-H1L630R-B / BS / BSi
16A 60309 x 2	230V	(32A) 60309	ATS-H2EN16A-W / WS / WSi	ATS-H2EN16A-B / BS / BSi
32A 60309 x 1	230V		ATS-H1EN32A-W / WS / WSi	ATS-H1EN32A-B / BS / BSi

\*\* Custom configurations available on request

## Software.

ATS management software helps reducing manpower and hence improving uptime and productivity. It also benefits users with capacity planning and increasing the overall efficiency of the data center. InfraPower intelligent ATS offers 3 kinds of remote management solutions for users' selection.

### 1. Free Management Software IPM-04

Free IPM-04 management software offers instantaneous visibility into crucial power quality, energy efficiency, and equipment health. By employing the most comprehensive and precise power management, you can effectively handle energy optimization, capacity planning, remote ATS control, environmental optimization, troubleshooting and maintenance with confidence.

Capacity	<ul style="list-style-type: none"> <li>• 50 x iATS Group Support</li> <li>• 5 x Concurrent User</li> </ul>
Power Quality Measurements ( kWh, kW, kVA, Power Factor, Amp )	<ul style="list-style-type: none"> <li>• Inlet Power Monitoring</li> <li>• Branch Circuit Power Monitoring</li> <li>• Outlet Level Monitoring</li> </ul>
Power Outlet Control	<ul style="list-style-type: none"> <li>• Outlet Level Switching</li> </ul>
Alarming	<ul style="list-style-type: none"> <li>• Circuit Breaker ( MCB ) Monitoring</li> <li>• Rising Threshold &amp; Alert</li> <li>• Overload Threshold &amp; Alert</li> </ul>
Reporting	<ul style="list-style-type: none"> <li>• ATS log</li> <li>• Outlet log</li> <li>• Event log</li> </ul>

### 2. Web Based GUI ATS-03-S

A web-based GUI is integrated with W series and B series iATS. It is ideal for users who simply require the power monitoring and input switching without detailed reporting log.

### 3. 3rd Party DCIM via SNMP V2/V3


Many data centers apply DCIM (Data Center Infrastructure Management) to centralize the management for monitoring power, cooling and environmental factors across facilities and IT systems. InfraPower intelligent ATS supports SNMP integration and hence user can remotely manage the ATS via their DCIM.





Founded in 1995, Austin Hughes is a design and manufacturing group that offers a broad range of solutions based around 19-inch rack mount technology. These solutions include UltraRack IT server rack, InfraRack smart rack, InfraPower rack PDU & ATS, InfraCool rack cooling systems, InfraGuard rack sensors and peripherals, InfraSolution rack access control and CyberView rack LCD KVM switches. We also offer industrial & commercial IT products, such as UltraView professional displays and Mini IP solutions.

Austin Hughes has ISO14001 and ISO9001 approved design, manufacturing, assembly, and test facilities. We support a worldwide customer base through our global locations.



As a leading global IT manufacturer, Austin Hughes provides TAA-compliant data center solutions, manufactures and assembles products in strategic TAA-certified locations.



Austin Hughes has an extensive distribution network, including the Americas, EMEA, APAC & ASEAN.  
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