

1-Phase Intelligent ATS

110V / 208V / 230V



FC CE RoHS REACH



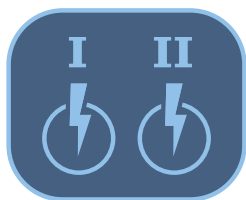
Smarter Design ■ Faster Delivery ■ Better Performance

Key Benefit



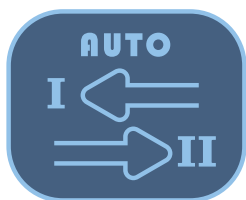
Input Switching Locally or Remotely Over IP

Local power input switching is essential, especially for conducting maintenance in the data center. Alternatively, InfraPower intelligent ATS enables users to switch power input over IP, saving manpower and providing a prompt way to switch power input.



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. 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.



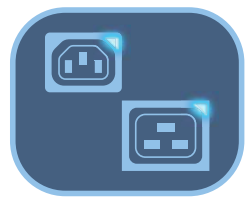
Auto Switching Relay for Seamless Power Transfer

InfraPower intelligent 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 plus Outlet Monitoring

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



Extensive 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, French, etc).
Custom configurations are available upon request.

Main	
Amp	15.0
A	15.0
kWh	0.02
Volt	220.0



Automatic
Transfer Switch

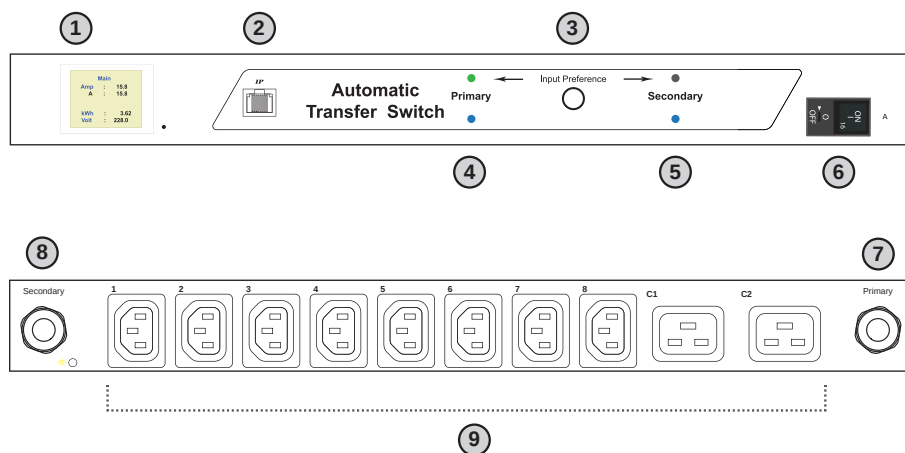


Input/Output



Secondary

Secondary



- 1 1.8" color LCD
- 2 IP Port
- 3 Input Preference Switch
- 4 Power LED - primary input
- 5 Power LED - secondary input
- 6 Circuit Breaker
- 7 Primary Input attached with 3M cord & inlet plug
- 8 Secondary Input attached with 3M cord & inlet plug
- 9 Outlets *

* The following series applies outlets with LED
WS - Outlet Switching + Circuit Monitoring
WSi - Outlet Switching + Outlet & Circuit Monitoring

Hardware Specifications

Electrical	
Nominal input voltage	110V / 208V / 230V
Acceptable input voltage	±10% nominal
Input frequency	50 / 60Hz
Inlet	L5-30P / L5-20P / 5-15P / L6-30P / L-620P / C14 / C20 / 60309 UK / Open-end
Outlet	Nema / L620R / L630R / C13 / C19 / 60309 UK / Schuko / French
Local meter	Field replaceable 1.8" color LCD
Overload protection	Hydraulic-magnetic Miniature Circuit Breaker (MCB)
Transfer time	10ms typical
Electrical endurance	1 x 10 ⁵ operations

Physical		W	WS / WSi
1U	Product (W x D x H)	442 x 300 x 43.5 mm	442 x 450 x 43.5 mm
	Packing (W x D x H)	500 x 540 x 150 mm	500 x 540 x 150 mm
	Net weight	5.7 kg / 12.54 lb	7.0 kg / 15.40 lb
	Gross weight	6.2 kg / 13.64 lb	7.5 kg / 16.50 lb
2U	Product (W x D x H)	442 x 300 x 87.5 mm	442 x 450 x 87.5 mm
	Packing (W x D x H)	550 x 550 x 150 mm	550 x 550 x 150 mm
	Net weight	7.6 kg / 16.72 lb	9.5 kg / 20.90 lb
	Gross weight	8.1 kg / 17.82 lb	10.0 kg / 22.00 lb
Chassis color		Dark	
Chassis materials		Steel	

Environmental	
Operating temperature	-5 to 60°C degree (23 to 140°F)
Storage temperature	-25 to 65°C degree (13 to 149°F)
Operating humidity	0-95%, non-condensing
Storage humidity	0-95%, non-condensing

Compliance	
EMC	FCC & CE certified
Safety	LVD certified
ISO	9001 / 14001
Environment	RoHS2 & REACH compliant

Hydraulic-magnetic MCB Bundled



Safety Regulatory :
 UL / cUL / TUV / CE

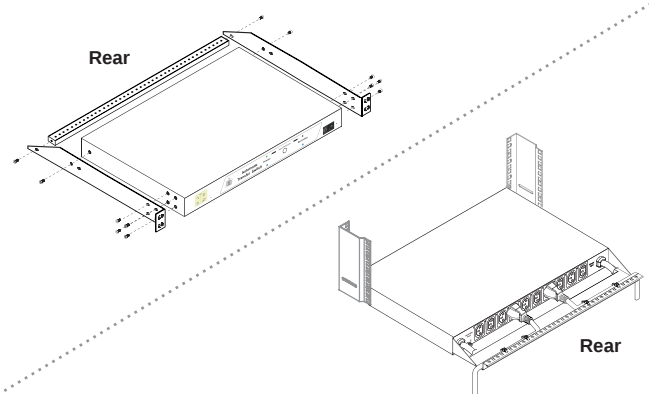
110V / 208V

15A - 1-pole 16A MCB x 1
 20A - 1-pole 20A MCB x 1
 30A - 1-pole 16A MCB x 2

230V

10A - 1-pole 10A MCB x 1
 13A - 1-pole 13A MCB x 1
 16A - 1-pole 16A MCB x 1
 20A - 1-pole 20A MCB x 1
 32A - 1-pole 16A MCB x 2

Mounting Bracket w/ Cord Retention Tray Bundled



Remote Management Over IP

ATS remote management 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.



Free Management Software IPM-04

IPM-04 is the free, powerful and user friendly management software provided with intelligent ATS. The Administrator can remotely manage the ATS via the web browser. It provides power input switching, ATS monitoring, alarm and reporting functions. The Windows based software consolidates management of max. 50 ATSS. Up to 5 concurrent user access is bundled in order to achieve the demand of multi-user requirements in data center operations.

Single circuit ATS - Monitoring & Input Switching



Dual circuit ATS - Monitoring & Input Switching



Reporting / Log



Web-based GUI

A web-based GUI is integrated with our intelligent ATS. It is ideal for some users who simply require the power monitoring and input switching over IP.

3rd Party DCIM via SNMP

Nowadays, many data centers apply the DCIM (Data Center Infrastructure Management) in order 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.

Functions & Features	IPM-04	GUI	SNMP
No. of ATS support	50	1	Remote Management by 3rd Party DCIM
Concurrent users	5	1	
Input switching over IP	✓	✓	
Power source switching notification	✓	✓	
Input sources detection	✓	✓	
Individual outlet switch on / off (WS & WSi)	✓	✓	
Outlet level measurement (WSi)	✓	✓	
Energy consumption (kWh) monitoring	✓	✓	
Apparent power (kVA) monitoring	✓	✓	
Power factor measurement	✓	✓	
Voltage (Volt) monitoring	✓	✓	
Aggregate current (Amp) monitoring	✓	✓	
Circuit breaker monitoring	✓	✓	
Alarm alert	✓	✓	
Reporting & logs	✓	✓	



W Series - Circuit Monitoring

1U Intelligent ATS - Single Circuit		Amp		
Outlets	Model	110V	208V	230V
NEMA x 10	ATS-H10US-W	15A / 20A		
NEMA x 12	ATS-H12US-W			
C13 x 8	ATS-H8C13-W		20A	10A / 16A / 20A
C13 x 10	ATS-H10C13-W			
C13 x 12	ATS-H12C13-W			
C19 x 6	ATS-H6C19-W			
C19 x 8	ATS-H8C19-W			
C13 x 8 + C19 x 1	ATS-H8C13 / 1C19-W			
C13 x 8 + C19 x 2	ATS-H8C13 / 2C19-W			
IEC309 16A x 1	ATS-H1EN16A-W			16A
L620R x 1	ATS-H1L620R-W		20A	
UK x 8	ATS-H8UK-W			10A / 13A / 16A / 20A

1U Intelligent W ATS - Single Circuit



2U Intelligent ATS - Single Circuit		Amp		
Outlets	Model	110V	208V	230V
NEMA x 16	ATS-H16US-W	15A / 20A		
NEMA x 20	ATS-H20US-W			
NEMA x 24	ATS-H24US-W			
C13 x 16	ATS-H16C13-W		20A	10A / 16A / 20A
C13 x 20	ATS-H20C13-W			
C13 x 24	ATS-H24C13-W			
C19 x 10	ATS-H10C19-W			
C19 x 12	ATS-H12C19-W			
C13 x 16 + C19 x 2	ATS-H16C13 / 2C19-W			
C13 x 16 + C19 x 4	ATS-H16C13 / 4C19-W			
Schuko x 8	ATS-H8SCH-W			10A / 16A / 20A
French x 8	ATS-H8FR-W			

2U Intelligent W ATS - Single Circuit



2U Intelligent ATS - Dual Circuit		Amp		
Outlets	Model	110V	208V	230V
NEMA x 16	ATS-H16US-W	30A		
NEMA x 20	ATS-H20US-W			
NEMA x 24	ATS-H24US-W			
C13 x 16	ATS-H16C13-W		30A	32A
C13 x 20	ATS-H20C13-W			
C13 x 24	ATS-H24C13-W			
C19 x 8	ATS-H8C19-W			
C19 x 10	ATS-H10C19-W			
C19 x 12	ATS-H12C19-W			
C13 x 16 + C19 x 2	ATS-H16C13 / 2C19-W			
C13 x 16 + C19 x 4	ATS-H16C13 / 4C19-W			
L630R x 1	ATS-H1L630R-W		30A	
IEC309-16A x 2	ATS-H2EN16A-W			32A
IEC309-32A x 1	ATS-H1EN32A-W			

2U Intelligent W ATS - Dual Circuit



** Customization available on request

230V ATS

Inlet	Amp	Cordset	
		area	length
60309	32A	4 mm ²	3 M
Open end	20A	2.5 mm ²	3 M
C20	16A	1.5 mm ²	3 M
BS1363	13A	1.5 mm ²	3 M

Outlet	C13	C19	UK	SCH	FR

208V ATS

Inlet	Amp	Cordset	
		AWG	length
L6-30P	30A	10	10 FT
L6-20P	20A	12	10 FT

Outlet	C13	C19

110V ATS

Inlet	Amp	Cordset	
		AWG	length
L5-30P 5-30P	30A	10	10 FT
L5-20P 5-20P	20A	12	10 FT
5-15P	15A	14	10 FT

Outlet	NEMA

WS Series - Outlet Switching + Circuit Monitoring

1U Intelligent ATS - Single Circuit		Amp		
Outlets	Model	110V	208V	230V
NEMA x 10	ATS-H10US-WS	15A / 20A		
NEMA x 12	ATS-H12US-WS			
C13 x 8	ATS-H8C13-WS		20A	10A / 16A / 20A
C13 x 10	ATS-H10C13-WS			
C13 x 12	ATS-H12C13-WS			
C19 x 6	ATS-H6C19-WS			
C19 x 8	ATS-H8C19-WS			
C13 x 8 + C19 x 1	ATS-H8C13 / 1C19-WS			
C13 x 8 + C19 x 2	ATS-H8C13 / 2C19-WS			
IEC309 16A x 1	ATS-H1EN16A-WS			16A
L620R x 1	ATS-H1L620R-WS		20A	
UK x 8	ATS-H8UK-WS			10A / 13A / 16A / 20A

1U Intelligent WS ATS - Single Circuit



2U Intelligent ATS - Single Circuit		Amp		
Outlets	Model	110V	208V	230V
NEMA x 16	ATS-H16US-WS	15A / 20A		
NEMA x 20	ATS-H20US-WS			
NEMA x 24	ATS-H24US-WS			
C13 x 16	ATS-H16C13-WS		20A	10A / 16A / 20A
C13 x 20	ATS-H20C13-WS			
C13 x 24	ATS-H24C13-WS			
C19 x 10	ATS-H10C19-WS			
C19 x 12	ATS-H12C19-WS			
C13 x 16 + C19 x 2	ATS-H16C13 / 2C19-WS			
C13 x 16 + C19 x 4	ATS-H16C13 / 4C19-WS			
Schuko x 8	ATS-H8SCH-WS			10A / 16A / 20A
French x 8	ATS-H8FR-WS			

2U Intelligent WS ATS - Single Circuit



2U Intelligent ATS - Dual Circuit		Amp		
Outlets	Model	110V	208V	230V
NEMA x 16	ATS-H16US-WS	30A		
NEMA x 20	ATS-H20US-WS			
NEMA x 24	ATS-H24US-WS			
C13 x 16	ATS-H16C13-WS		30A	32A
C13 x 20	ATS-H20C13-WS			
C13 x 24	ATS-H24C13-WS			
C19 x 8	ATS-H8C19-WS			
C19 x 10	ATS-H10C19-WS			
C19 x 12	ATS-H12C19-WS			
C13 x 16 + C19 x 2	ATS-H16C13 / 2C19-WS			
C13 x 16 + C19 x 4	ATS-H16C13 / 4C19-WS			
L630R x 1	ATS-H1L630R-WS		30A	
IEC309-16A x 2	ATS-H2EN16A-WS			32A
IEC309-32A x 1	ATS-H1EN32A-WS			

2U Intelligent WS ATS - Dual Circuit



** Customization available on request

230V ATS

Inlet	Amp	Cordset	
		area	length
60309	32A	4 mm ²	3 M
Open end	20A	2.5 mm ²	3 M
60309 C20	16A	1.5 mm ²	3 M
BS1363	13A	1.5 mm ²	3 M

Outlet	C13	C19	UK	SCH	FR

208V ATS

Inlet	Amp	Cordset	
		AWG	length
L6-30P	30A	10	10 FT
L6-20P	20A	12	10 FT

Outlet	C13	C19

110V ATS

Inlet	Amp	Cordset	
		AWG	length
L5-30P 5-30P	30A	10	10 FT
L5-20P 5-20P	20A	12	10 FT
5-15P	15A	14	10 FT

Outlet	NEMA

WSi Series - Outlet Switching + Outlet & Circuit Monitoring

1U Intelligent ATS - Single Circuit		Amp		
Outlets	Model	110V	208V	230V
NEMA x 10	ATS-H10US-WSi	15A / 20A	20A	10A / 16A / 20A
NEMA x 12	ATS-H12US-WSi			
C13 x 8	ATS-H8C13-WSi			
C13 x 10	ATS-H10C13-WSi			
C13 x 12	ATS-H12C13-WSi			
C19 x 6	ATS-H6C19-WSi			
C19 x 8	ATS-H8C19-WSi			
C13 x 8 + C19 x 1	ATS-H8C13 / 1C19-WSi			
C13 x 8 + C19 x 2	ATS-H8C13 / 2C19-WSi			
IEC309 16A x 1	ATS-H1EN16A-WSi			16A
L620R x 1	ATS-H1L620R-WSi		20A	
UK x 8	ATS-H8UK-WSi			10A / 13A / 16A / 20A

1U Intelligent WSi ATS - Single Circuit



2U Intelligent ATS - Single Circuit		Amp		
Outlets	Model	110V	208V	230V
NEMA x 16	ATS-H16US-WSi	15A / 20A	20A	10A / 16A / 20A
NEMA x 20	ATS-H20US-WSi			
NEMA x 24	ATS-H24US-WSi			
C13 x 16	ATS-H16C13-WSi		20A	10A / 16A / 20A
C13 x 20	ATS-H20C13-WSi			
C13 x 24	ATS-H24C13-WSi			
C19 x 10	ATS-H10C19-WSi			
C19 x 12	ATS-H12C19-WSi			
C13 x 16 + C19 x 2	ATS-H16C13 / 2C19-WSi			
C13 x 16 + C19 x 4	ATS-H16C13 / 4C19-WSi			
Schuko x 8	ATS-H8SCH-WSi			10A / 16A / 20A
French x 8	ATS-H8FR-WSi			

2U Intelligent WSi ATS - Single Circuit



2U Intelligent ATS - Dual Circuit		Amp		
Outlets	Model	110V	208V	230V
NEMA x 16	ATS-H16US-WSi	30A		
NEMA x 20	ATS-H20US-WSi			
NEMA x 24	ATS-H24US-WSi			
C13 x 16	ATS-H16C13-WSi		30A	32A
C13 x 20	ATS-H20C13-WSi			
C13 x 24	ATS-H24C13-WSi			
C19 x 8	ATS-H8C19-WSi			
C19 x 10	ATS-H10C19-WSi			
C19 x 12	ATS-H12C19-WSi			
C13 x 16 + C19 x 2	ATS-H16C13 / 2C19-WSi			
C13 x 16 + C19 x 4	ATS-H16C13 / 4C19-WSi			
L630R x 1	ATS-H1L630R-WSi		30A	
IEC309-16A x 2	ATS-H2EN16A-WSi			32A
IEC309-32A x 1	ATS-H1EN32A-WSi			

2U Intelligent WSi ATS - Dual Circuit



** Customization available on request

230V ATS

Inlet	Amp	Cordset	
		area	length
60309	32A	4 mm ²	3 M
Open end	20A	2.5 mm ²	3 M
C20	16A	1.5 mm ²	3 M
BS1363	13A	1.5 mm ²	3 M

Outlet	C13	C19	UK	SCH	FR

208V ATS

Inlet	Amp	Cordset	
		AWG	length
L6-30P	30A	10	10 FT
L6-20P	20A	12	10 FT

Outlet	C13	C19

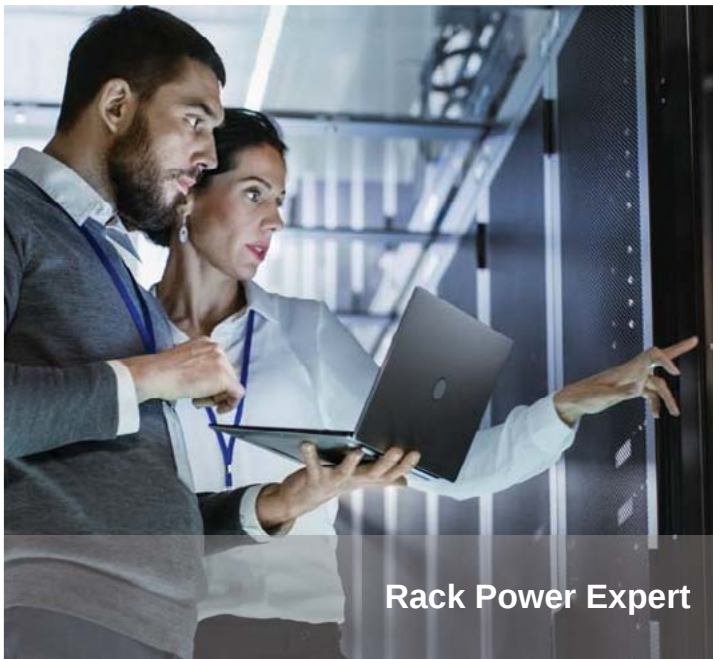
110V ATS

Inlet	Amp	Cordset	
		AWG	length
L5-30P 5-30P	30A	10	10 FT
L5-20P 5-20P	20A	12	10 FT
5-15P	15A	14	10 FT

Outlet	NEMA

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: the UltraRack IT server rack series, InfraRack intelligent rack solutions, InfraPower intelligent remote management power solutions, InfraCool intelligent remote cooling systems, InfraGuard environmental sensors and peripherals, InfraSolution remote locking and access control, CyberView LCD KVM switches and UltraView professional displays.

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Rack Power Expert



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