PowerHub

DATASHEET

Auto-transfer between *Primary and Secondary* Sources

19”Rack Design (1U) suitable to *mount on a standard 19” Rack*

Powered by two separate independent power source

Built-in USB and RS-232 Communications

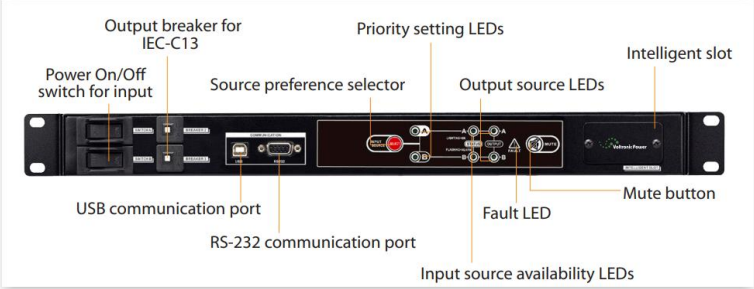
Provide seamless power transfer for IT equipment

PowerHub ATS series is designed to guarantee the uninterrupted operation of sensitive equipment. It is powered by two independent power sources and automatically makes a rapid switch form one source to the other when the power supply used to power its connected load fails. This ATS is designed to be efficient and reliable.

FEATURES

Source Transfer system for single-connected equipment

With PowerHub ATS, power from two independent sources can be supplied to Data Centre servers and their related devices even when the devices only have one input power supply.

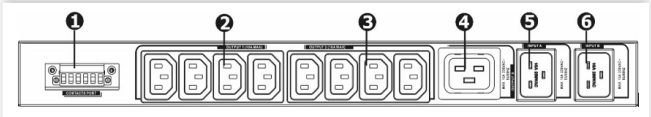


Redundancy

While the majority of network devices and entry-level servers only have one electrical power input, PowerHub ATS can be used to provide seamless power transfer. In other words, the ATS controls the redundancy of this electrical power supply. Both the primary and secondary sources are connected to the ATS at the system’s rear. If the primary source fails, the transfer to the secondary source is automatic and seamless.

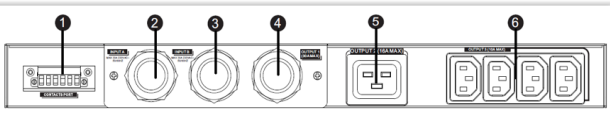
Reliability

Designed to provide redundancy, the PowerHub ATS deploys a technology based on relays and SCR. In the event of a short-circuit, PowerHub ATS ensures that the fault will not affect the alternative source, so that power continues to be supplied to the fault-free equipment. Adopting a break before made topology, power is transferred without the overlapping of the power sources.



❶Contact port (please refer to Section 7 for more details)
❷Output receptacles “Output 1” (IEC-C13, 10A)
❸Output receptacles “Output 2” (IEC-C13, 10A)
❹Output receptacle “Output 3” (IEC-C19, 16A)
❺Input Source A connector (IEC-C20)
❻Input Source B connector (IEC-C20)

ATS 16-SSV



❶Contact port (please refer to Section 7 for more details)
❷Input Source A connector (Terminal Block)
❸Input Source B connector (Terminal Block)
❹Output connector “Output 1” (Terminal Block)
❺Output receptacles “Output 2” (IEC-C19, 16A)
❻Output receptacles “Output 3” (IEC-C13, 10A)

ATS 30-SSV

TECHNICAL SPECIFICATIONS – PowerHub ATS Series

Model	ATS 16-SSV	ATS 30-SSV
General		
Nominal Input Voltage	220/230/240 VAC, Single Phase	
Maximum Input Current	16A	30A
Input Receptacles	2 x IEC-C20 inlets	2 x Hardwired Terminal Blocks
Output Voltage	220/230/240 VAC	
Output Receptacles	8 x IEC-C13 (10A) 1 x IEC-C19 (16A)	4 x IEC-C13 (10A) 1 x IEC-C19 (16A) 1 x Hardwired Terminal Block (30A)
Frequency	50/60Hz	
LED Indicator	2 x LED for Input Power Status (A/B) 2 x LED for Output Power Status (A/B) 2 x LED for Preferred Power Source (A/B)	
Function		
Auto-transferred Switch	A: Primary Power Source, B: Secondary Power Source Primary (A) & Secondary (B) Power Sources are available. A is set as default mains. If A becomes unstable or failed, it will automatically switched over to B until A is restored and stable	
Preference Button	(1) Press the select button once, ATS switches to B as Primary Power Source; (2) Press the select Button again and ATS will switch back to A again as Primary Power Source	
Transfer Time	9-12ms (Typical)	
Communication Hardware and Software		
USB/RS-232	Yes (Built in RS232/USB) with software	
Dry Relay Contact	Yes	
SNMP / Modbus (TCP)	Yes (Optional)	
Fault Notification	Yes	
Physical		
Operating Temperature Range	-5°C - 45°C	
Storage Temperature Range	-5°C - 45°C	
Relative Humidity (RH)	0-95% RH (non-condensing)	
Operating Elevation	<3000m (9873ft)	
Housing Material	Metal Aluminum Alloy, Black	
Unit Dimension (mm) W x D x H	330 X 483 X 44 (1U)	
Unit Weight (Kg)	5.0	

** Specifications are subject to change without prior notice*

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Power solutions for all