



BAS34U24V AUTOMATION SYSTEM UPS



A DIN Rail Mount UPS with line interactive topology, the CyberPower BAS34U24V provides DC power supply, surge protection battery and backup for compact, embedded controller/server platforms, industrial computers and networking devices. Designed for building automation systems (BAS), energy management systems (EMS) and other types of facility controllers and remote facility monitors, the UPS supports distributed computing with up to 4 hours of extended battery runtime, among other industry-leading features.

The BAS34U24V comes with a three-year warranty (including coverage of batteries) and a \$500,000 Connected Equipment Guarantee.

TYPICAL APPLICATIONS

- Building Automation Systems
- Industrial Automation Systems
- Energy Management Systems
- Structured Cable Enclosures

FEATURES

- 14.8V/6500mAh Li-Polymer Rechargeable Battery
- AC Input to DC Output (3)
- SNMPv3 Communication Options
- Compact Footprint Designed For Cabinets
- Three-Year Warranty

SPECIFICATIONS

GENERAL		INPUT CONT.	
UPS Topology	Automation System	Input over current protection	2A /250Vac Fuse
INPUT		Efficiency in Line Mode	≥80% @ Full Charge
Rated Input Voltage	100-240Vac	Efficiency in Battery mode	≥80%
Minimum Input Voltage	90Vac	Power consumption with no batt/load	<2W
Maximum Input Voltage	264Vac		
Rated Input Frequency Range	50-60Hz		
Input current @ 90Vac, Full Load	1.5A		

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SPECIFICATIONS CONT.

CHARGER CHARACTERISTICS

Charging Voltage	16.4Vdc
Maximum Charging	350mA
Maximum Charging Time	24 Hours
Charger Auto-Restart	Yes, when utility power is restored
External Battery Function	Yes

BATTERY

Runtime at 10W	7 Hours
Runtime at 12W	6 Hours
Runtime at 15W	4.5 Hours
Runtime at 18W	4 Hours
Runtime at Max (34W)	2 Hours
Battery Type	Li-ion (18650) Rechargeable Battery
Battery Voltage	14.8Vdc
Battery Capacity	6500mAh
Battery Quantity	1
Low Battery Warning	13.2Vdc \pm 3%
Battery Shutdown Voltage	12.4Vdc \pm 3%
Transfer Time	<20ms
Battery Leakage Current	<0.5mA (@End of discharging)

BATTERY CONT.

Battery Test	Yes
External Battery Pack Function	Yes

PROTECTION FUNCTIONALITY

Output Voltage Range	24Vdc \pm 3%		
Rated Output Power	8 p Output	24W/1A	
	2 p Output 1	5W/0.21A	
	2 p Output 2	5W/0.21A	
Overcharging Voltage Protection	17.5Vdc \pm 3%		
Overload Protection	Output 1	>1.17A	Output turn-off after, auto-recovery in 10s
	Output 2	>0.29A	
	Output 3	>0.29A	
Output Short Circuit Protection	Output turn-off and auto-recovery in 10seconds		
Output Over Voltage Protection	Line Mode	>28.8Vdc \pm 3%	Output & LED turn-off
	Battery Mode		Unit Shutdown

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SPECIFICATIONS CONT.

PROTECTION FUNCTIONALITY CONT.

Battery Current Protection	5A/250Vac fuse
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Input Surge Protection Capability	2.5kV (K.21 basic)
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ESD Protection Capability	Air 8kV/Contact 4kV
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PHYSICAL

Dimensions Always (WxHxD)	7.91" x 4.72" x 3.72"
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Weight	2.87 lb.
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ENVIRONMENT

Operating Temperature	32°F-113°F (0°C-45°C)
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Operating Relative Humidity	0-95% (Non-condensing)
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Operation Elevation	10,000 ft (3,000 m)
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CERTIFICATIONS

SAFETY	UL60950-1, CSA CS22.2 NO.60950-1-07, IEC/EN 60950-1, FCC Part 15 Class B, CISPR 22 Class B
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WARRANTY

Product Warranty	Three-Years Limited (Including Batteries)
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Connected Equipment Guarantee	Lifetime
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CEG Amount	\$500,000
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