

A NEW STANDARD OF POWER

Half Rack UPS

Half Width Footprint. Lightweight. High Power Density.

Power Has Never Been More Portable

Acumentrics uses advanced technologies in power conversion and high-performance digital control to optimize the SWaP of the COTS 1000W Rugged Half Rack UPS family.

- ▶ Designed to support “At the Quick Halt” and “On the Move” mounted and dismounted tactical missions
- ▶ Designed to work with small form factor modules, racks and cases



1U AHB1001



2U AWB1252



3U AHB1003

PROTOTYPES
AVAILABLE

Half Rack UPS Specifications

GENERAL SPECIFICATIONS						INPUTS			OUTPUTS				COMMS
P/N	INPUTS	OUTPUTS	SIZE	ISOLATION	N+1	VAC IN	Freq IN (hz)	VDC IN	VAC OUT	Freq OUT (hz)	VDC OUT	POWER	
AHB1001	AC	DC	1U	AC to DC	No	100-265	47-63	N/A	N/A	N/A	28/48	1kW	SNMP and RS232
AWB1252-AC	AC/DC	AC	2U	Full	Yes	80-265	47-440	22-32	115/230	50/60	N/A	1kW	SNMP and RS232
AHB1002*	AC/DC	DC	2U	AC to DC	No	100-265	47-63	22-32	N/A	N/A	28	1kW	SNMP and RS232
AHB1003*	AC/DC	AC/DC	3U	AC to DC	No	100-265	47-63	22-32	115	60	28	1kW (750W AC)	SNMP and RS232
AWB1252-DC*	AC/DC	DC	2U	Full	Yes	80-265	47-440	22-32	N/A	N/A	18/24/ 28/48	700W (1kW @ 48VDC)	SNMP and RS232
AWB1252-AC/DC**	AC/DC	AC/DC	2U	Full	Yes	80-265	47-440	22-32	115/230	50/60	18/24/ 28/48	TBD	SNMP and RS232

**** COMING SOON**

***Prototypes Available**

MIL-STDs and Certifications

- ▶ **EMI/EMC:** MIL-STD-461G: CE102, CS101, CS114, CS115, CS116, CS118, RE102, RS103
- ▶ **Environmental:** MIL-STD-810H - Shock: 20G, 11 ms, Sawtooth; Vibration: 5-500Hz, 2Grms, Random
- ▶ **Transport:** UN-DOT 38.3
- ▶ **CE** (coming soon)

Environmental

- ▶ **Operating:** -20 °C to 55 °C
- ▶ **Storage:** -40 °C to 60 °C
- ▶ **Humidity:** up to 95% (non-condensing)

Mechanical Specs

- ▶ **Chassis Length/Width:** 15" L / 9.4" W

Battery Runtime

- ▶ **Typical Run Times:**
 - 20 minutes @ 400W load
 - 6 minutes @ 1000W load
- ▶ **Recharge Time:** 3 hours to 90% of present capacity

1U AHB1001



Front View



Rear View

2U AWB1252



Front View



Rear View

3U AHB1003



Front View



Rear View

Contact a Representative

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