



## Open Frame 3"X5" Universal Input AC/DC Converter

# Dual Output 5V/12V 40W<sup>(1)</sup>



## Model UPS40-2002



OUTPUT	Voltage		Current			Ripple & Noise	Regulation (4)	
	Rated	Tolerance	Min	Rated	Max (3)		Load	Line
Main	+5V DC	+/-3.00%	0.2 A	3.0A		50mV	3.00%	.50%
	+12 V DC	+/-5.00%	0.1 A	2.0A	3.0A	120mV	5.00%	1.00%
Auxiliary	(Fan) +12V DC	n/a	n/a	0.1A	n/a	n/a	n/a	n/a
	(LED) +5 V DC	n/a	n/a	10mA	n/a	n/a	n/a	n/a

INPUT		Min	Nom	Max
Voltage AC	Universal AC	90		260
Frequency		47		63
Inrush Current	At Min 115 VAC Max 230 VAC	20A		40A
Switching Frequency			40K Hz.	
Fusing	2A, Slow-blow 115/230 VAC Non-User Serviceable			

GENERAL SPECIFICATIONS		
Efficiency at full Load 120VAC	70%min at Full Load 120 VAC	
Overvoltage Protection	+5V exceeds 5.8V causes shutdown. Automatic Recovery	
Overload Protection	All outputs protected against short circuit conditions, automatic recovery.	
Environmental		
Temperature coefficient	0.02%/°C, All outputs	
Temperature Range	Operation	0 to 50°C at rated output power. Derates linearly to 50% power at 70°C.
	Storage	-55°C to 85°C
Safety, Regulatory & EMI		
Agency Approvals	UL60950	
	CSA C22.2 E.B.1402C	
	TUV EN60950	
EMI	Meets F.C.C part 15 class 'B' conducted.	

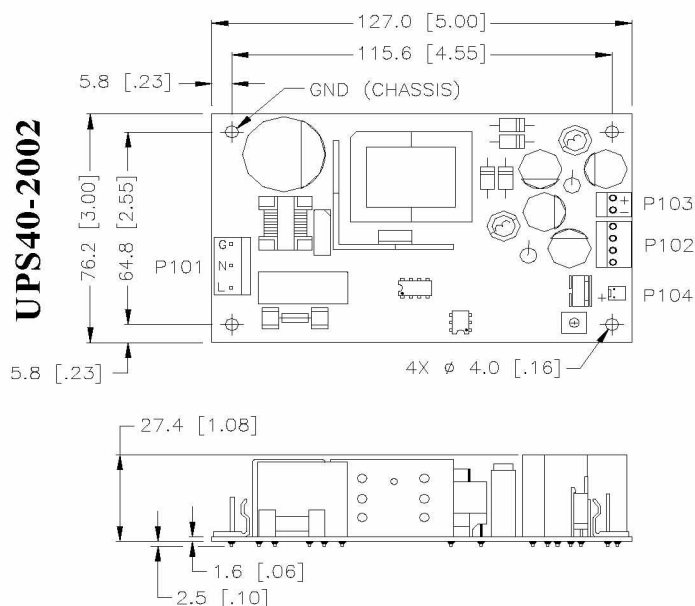


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GNMENTS UPS40-2002 REV F			
CONNECTOR	P101	P102	P103
	AC INPUT	DC OUTPUT	FAN
PIN 1	LINE	+12V	FAN+
PIN 2	N/C	COM	COM
PIN 3	NEUTRAL	COM	
PIN 4	N/C	+5V	
PIN 5	F.G.		
MOLEX (or equiv)	09-65-2058	09-65-2048	09-65-2028
Mating Connector	09-50-1051	09-50-1041	09-50-1021

UPS40-2002			WIDTH	LENGTH	HEIGHT
	OUTLINE	inch	3.00	5.00	1.08
		mm	76.2	127.0	27.4
	MOUNTING	inch	2.55	4.55	N/A
		mm	64.8	115.6	N/A

SHIPPING SPECIFICATIONS		
MODEL	UNITS PER CARTON	CARTON WEIGHT
UPS40-2002	64.0	15.5 Kgs 34.2 Lbs



UNIT : mm [INCH]

### NOTES:

1. Total peak power must not exceed the value indicated with each output not exceeding its peak current rating. The power supply may be capable of providing more than the specified continuous and/or peak ratings. Consult a factory Sales Engineer for feasibility.
2. Minimum load specified assures output voltage stability for all specified line voltage conditions. Full compliance to the total regulation specification may require additional loading (not to exceed 25% of rated output current). Operation at no load will not damage the power supply.
3. Each output can provide its full rated output current, provided total wattage does not exceed nominal (continuous) rating.
4. Peak Power is available for 30 seconds maximum with a 10% duty cycle.
5. Total regulation includes the combined effects of: a) initial set point of main output of  $\pm 1\%$  max; b) line regulation for any input voltage change between 90 & 264 VAC; c) load regulation for a MIN. -100% of rated continuous load change: assumes that the total continuous power rating of the supply is not exceeded. [See Note3]. Performance during peak loading conditions is not included in the figure.
6. Specifications are subject to change without notice. AUTEC cannot be held liable for errors or omissions or the consequences thereof.

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