

**12W Open Frame Universal Input AC/DC Converter**



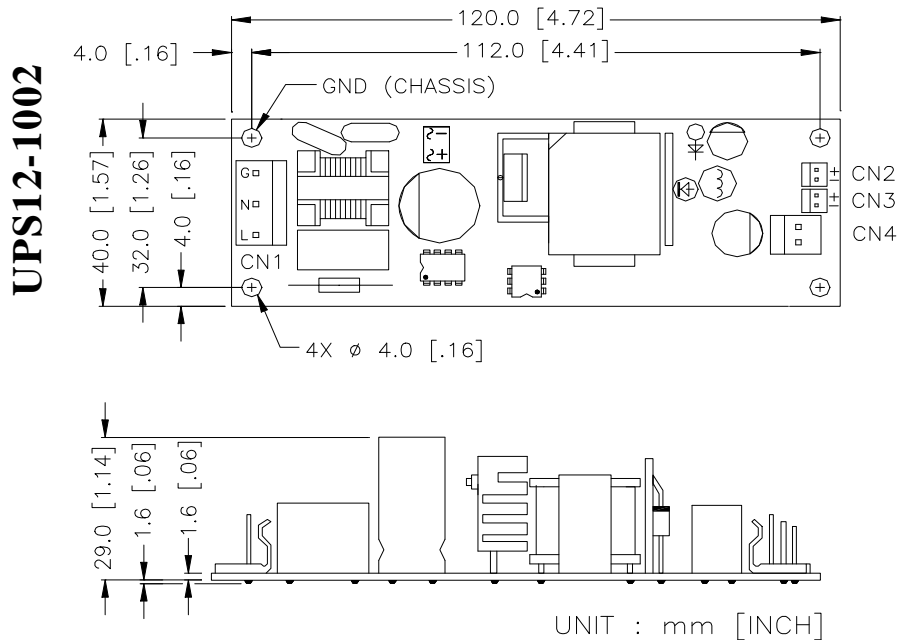
<b>Model UPS12-1002</b>	<b>Power</b>	<b>Full</b>	<b>Peak</b>
		12W	17W

Output		Model	Output Voltage	Tolerance	Min Output Current	Rated Output Current	Peak Output Current	Ripple & Noise	Regulation Load	Regulation Line
		UPS12-1002	5.0V	+/- 3%	0.0A	2.0A	3.0A	50mV	3.00%	1.00%
Auxiliaries Outputs			Output Voltage	Tolerance		Rated Output Current		Ripple & Noise	Regulation Load	Regulation Line
		Fan	12V	+/- 10%		0.2A		50mV	5%	2%
		LED								
Input							Min	Nom	Max	
		Voltage AC	Universal AC				85		260	
		Frequency					47		63	
		Inrush Current	Min 115 VAC Max 230 VAC				20		40	
		Switching Frequency						90K Hz.		
		Hold-up Time	Measured at 115VAC and rated Load				16ms			
		Fusing	2A, Slow-blow 115/230 VAC Non-User Servicable							
Output							Min	Nom	Max	
		Efficiency	Full Load 120 VAC				65	70		
		Minimum Load Requirements					0			
		Overvoltage Protection	+5V exceeds 115-135% Causes crobar, automatic recovery							
		Overload Protection	All outputs protected against short circuit conditions, automatic recovery.							
		Remote Sense	n/a							
Environmental										
		Temperature coefficient	0.02%/°C, All outputs							
		Temperature Range	<b>Operational</b>	0 to 50°C at rated output power. Derates linearly to 50% power at 70oC						
			<b>Storage</b>							
Safety, Regulatory & EMI										
		Agency Approvals	UL1950							
			CSA C22.2 N).234							
			TUV EN60950							
		EMI	Meets F.C.C part 15 class 'B' conducted.							

PIN ASSIGNMENTS				
CONNECTOR	CN1	CN2	CN3	CN4
FUNCTION	AC INPUT	FAN	LED	DC OUTPUT
PIN 1	NEUTRAL	FAN+	LED+	+5V
PIN 2	N/C	FAN-	LED-	GROUND
PIN 3	LINE			
PIN 4	N/C			
PIN 5	F.G.			
MOLEX (or equiv)	09-65-2058	22-04-1021	22-04-1021	09-65-2028
MATING	09-50-1051	22-01-3027	22-01-3027	09-50-1021

		WIDTH	LENGTH	HEIGHT
OUTLINE	inch	1.57	4.72	1.14
	mm	40.0	120.0	29.0
MOUNTING	inch	1.26	4.41	N/A
	mm	32.0	112.0	N/A

SHIPPING SPECIFICATIONS			
MODEL	UNITS PER CARTON	CARTON WEIGHT	
UPS12-1002	128	16 Kgs	35.27Lbs



**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. AUTECS cannot be held liable for errors or omissions or the consequences thereof.