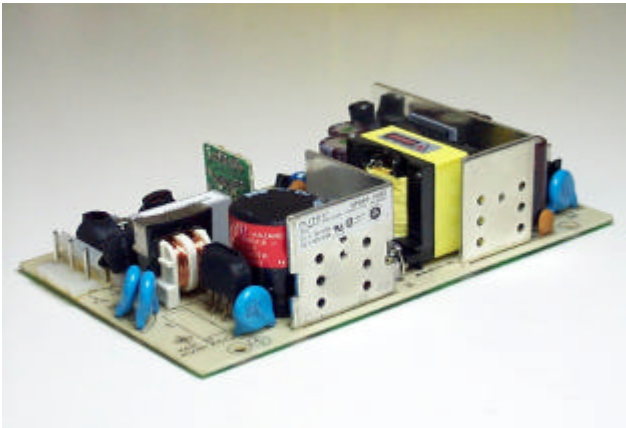




**Open Frame 3.27" X 5.51" Universal Input AC/DC Converter**

**Dual Output 5V/12V 65W<sup>(1)</sup>**



**Model UPS65-1002-A**  
**Model UPS65-1002-S**



OUTPUT	Model	Voltage		Current			Ripple & Noise	Regulation (4)	
		Rated	Tolerance	Min	Rated	Max (3)		Load	Line
Main	UPS65-1002-A	+5V DC	+/-3.00%	0.5A	6.0A	10.0A	50mV	3.00%	0.50%
		+12 V DC	+/-5.00%	0.1A	2.5A	7.0A	120mV	5.00%	1.00%
	UPS65-1002-S	+5V DC	+/-2.00%	0.5A	3.0A	10.0A	50mV	2.00%	0.50%
		+12 V DC	+/-3.00%	0.1A	4.0A	7.0A	120mV	5.00%	1.00%
Auxiliary	(Fan)	+12V DC	n/a	n/a	0.07A	n/a	n/a	n/a	n/a

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

GENERAL SPECIFICATIONS	
Efficiency at full Load 120VAC	65%min at Full Load 120 VAC
Overvoltage Protection	+5V exceeds 5.8V causes shutdown. Automatic Recovery
	+12V exceeds 13.5V causes shutdown. Automatic Recovery
Overload Protection	All outputs protected against short circuit conditions, automatic recovery.
<b>Environmental</b>	
Temperature coefficient	0.02%/°C, All outputs
Temperature Range	<b>Operation</b> 0 to 50°C at rated output power. Derates linearly to 50% power at 70°C.
	<b>Storage</b> -55°C to 85°C
<b>Safety, Regulatory &amp; EMI</b>	
Agency Approvals	UL60950
	CSA C22.2 E.B.1802C
	VDE
EMI	Meets F.C.C part 15 class 'B' conducted.



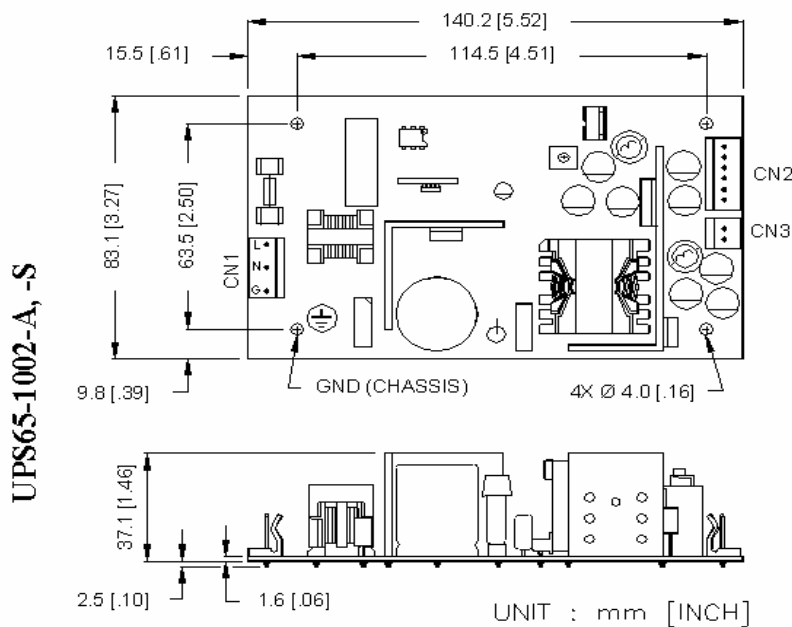
**Model UPS65-1002-A**  
**Model UPS65-1002-S**

**PIN ASSIGNMENTS UPS65-1002**

CONNECTOR	CN1	CN2	CN3
	AC INPUT	DC OUTPUT	FAN
PIN 1	F.G.	+5V	+12V
PIN 2	NC	+5V	COM
PIN 3	NEUTRAL	COM	
PIN 4	NC	COM	
PIN 5	LINE	+12V	
PIN 6		+12V	
MOLEX (or equiv)	09-65-2058	09-65-2068	22-04-1021
Mating Connector	09-50-1051	09-50-1061	22-01-3027

		WIDTH	LENGTH	HEIGHT	
UPS65-1002	OUTLINE	inch	3.27	5.52	1.46
		mm	83.1	140.2	37.1
	MOUNTING	inch	2.50	4.51	N/A
		mm	63.5	114.5	N/A

SHIPPING SPECIFICATIONS			
MODEL	UNITS PER CARTON	CARTON WEIGHT	
UPS65-1002	44.0	19 Kgs	41.9 Lbs



**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.