

80 PLUS Verification and Testing Report

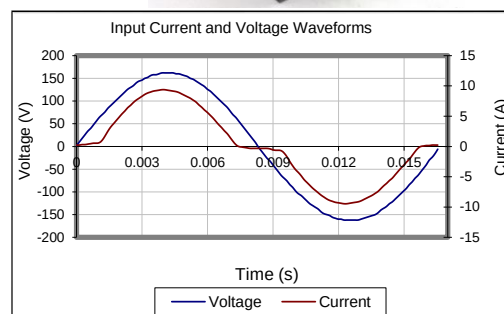
TYPICAL EFFICIENCY (50% Load):	85.95%
AVERAGE EFFICIENCY :	84.26%
80 PLUS COMPLIANT:	YES



Ecos ID #	1824.3
Manufacturer	Tacens
Model Number	APB550
Serial Number	N/A
Year	2009
Type	ATX12V
Test Date	12/10/2009

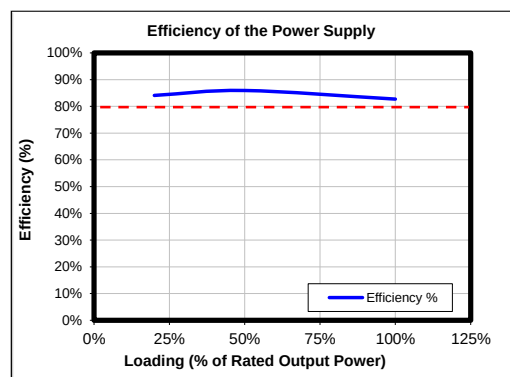
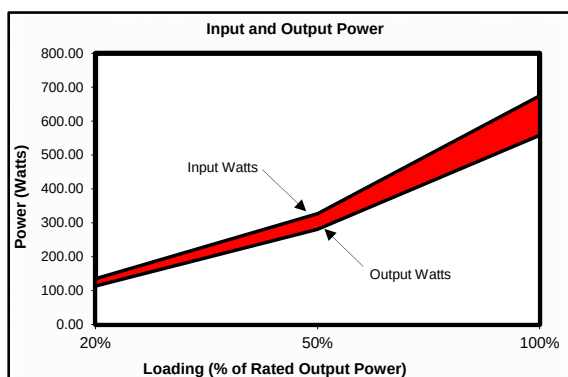
Rated Specifications	Value	Units
Input Voltage	110-240	Volts
Input Current	10-6	Amps
Input Frequency	60-50	Hz
Rated Output Power	550	Watts

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 30.83%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %	
						12V (cumulative of 12V1, 12V2, etc.)		-12V	3.3V	5V*			5VSB
1.23	0.95	28.47%	20%	Light	134.83	12.5/6.4		12.2/0.1	3.3/3.5	5.1/3.7	5.1/0.5	113.40	84.10%
2.98	0.95	30.83%	50%	Typical	326.80	12.4/16.1		12.2/0.2	3.3/3.9	5.1/8.6	5/1.2	280.87	85.95%
6.03	0.97	23.65%	100%	Full	674.60	12.4/32.1		12.3/0.3	3.3/18.4	5/17.2	4.9/2.3	558.04	82.72%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

