

# 80 PLUS Verification and Testing Report

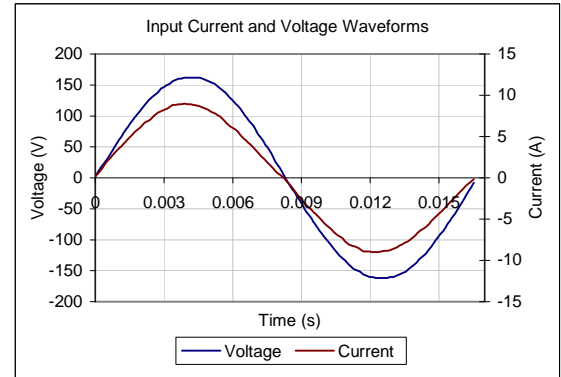


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.05%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>83.12%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	362
<b>Manufacturer</b>	SEVENTEAM
<b>Model Number</b>	ST-620PAF-05F
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	ATX12V
<b>Test Date</b>	9/6/2007

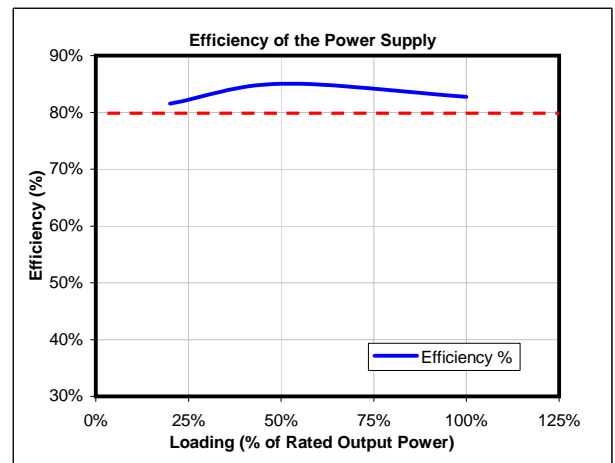
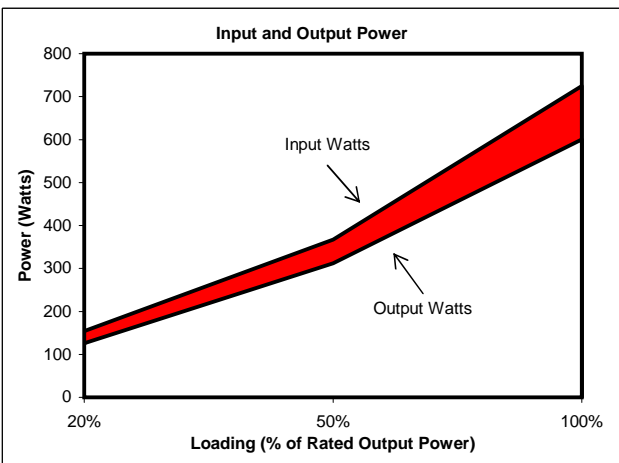
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>620</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 4.75%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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		
1.36	0.98	9.1%	20%	Light	154	12.1/7.9	11.7/0.2	3.4/2.7	5.2/3.2	5.1/0.5	126	81.56%
3.20	1.00	4.8%	50%	Typical	367	12/19.8	11.7/0.4	3.3/6.6	5.1/8	5/1.2	312	85.05%
6.32	1.00	3.5%	100%	Full	725	11.9/39.7	11.6/0.8	3.3/8	5/15.9	4.9/2.5	600	82.75%



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/>

