

# 80 PLUS Verification and Testing Report

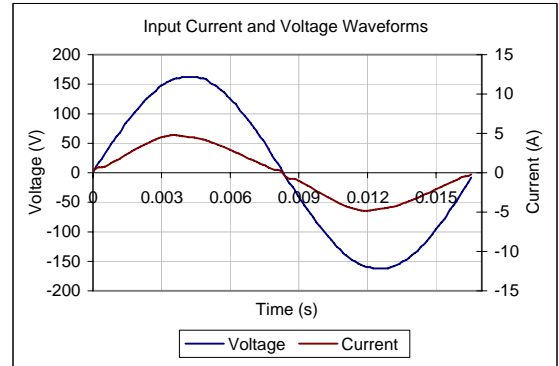


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.71%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>81.57%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	786.1
<b>Manufacturer</b>	BE QUIET!
<b>Model Number</b>	BQT S6-SYS-UA-300W
<b>Serial Number</b>	S8291001921
<b>Year</b>	2008
<b>Type</b>	ATX 12V
<b>Test Date</b>	8/26/2008

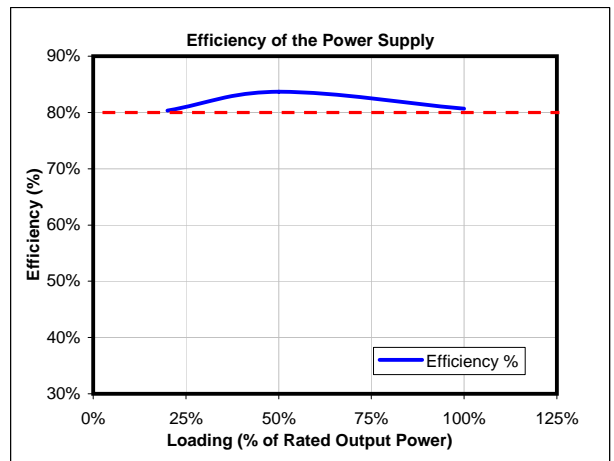
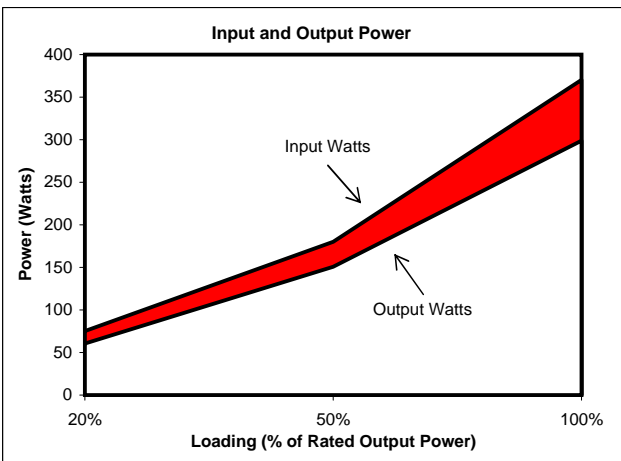
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>300</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 12.54%, 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
0.66	0.99	9.8%	20%	Light	75	12.1/3	11.9/0.1	3.3/2.6	5/2.6	5/0.3	60	80.34%
1.58	0.99	12.5%	50%	Typical	180	12.1/7.6	12/0.2	3.3/6.5	4.9/6.5	5/0.7	151	83.71%
3.23	1.00	7.7%	100%	Full	370	12.1/15.1	12.2/0.4	3.2/12.9	4.8/12.9	4.9/1.4	299	80.65%



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/>

