

80 PLUS Verification and Testing Report

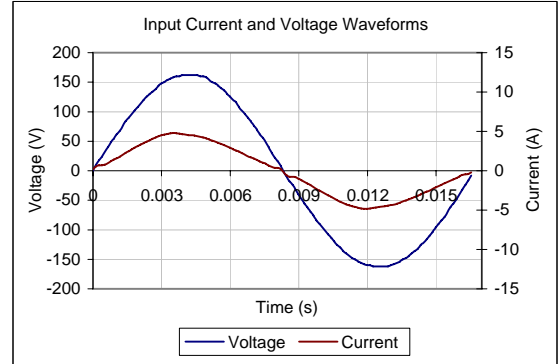


TYPICAL EFFICIENCY (50% Load):	83.71%
AVERAGE EFFICIENCY :	81.57%
80 PLUS COMPLIANT:	YES

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

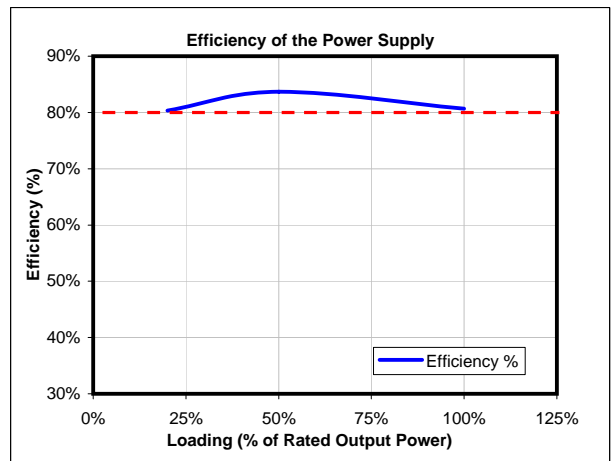
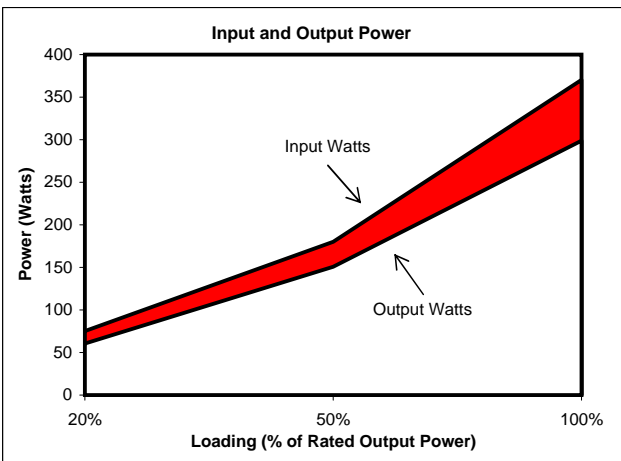
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7	Amps
Input Frequency	50-60	Hz
Rated Output Power	300	Watts

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 _{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
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 as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.