

80 PLUS Verification and Testing Report

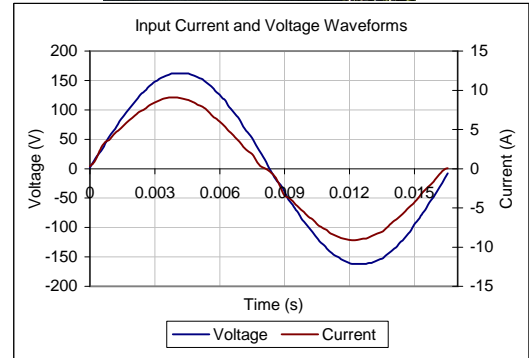


TYPICAL EFFICIENCY (50% Load):	84.57%
AVERAGE EFFICIENCY :	82.70%
80 PLUS COMPLIANT:	YES

Ecos ID #	636.1
Manufacturer	NESTEQ
Model Number	ECS XS-600
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	4/29/2008

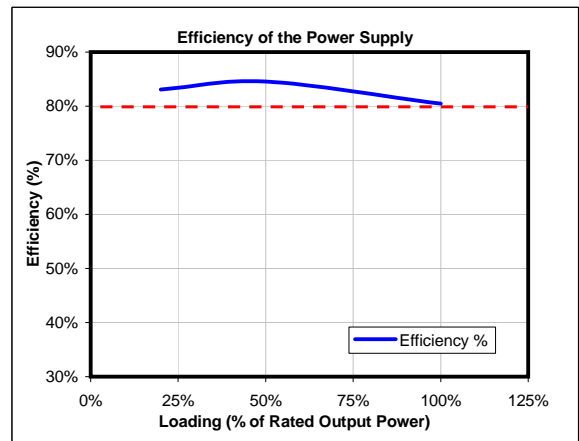
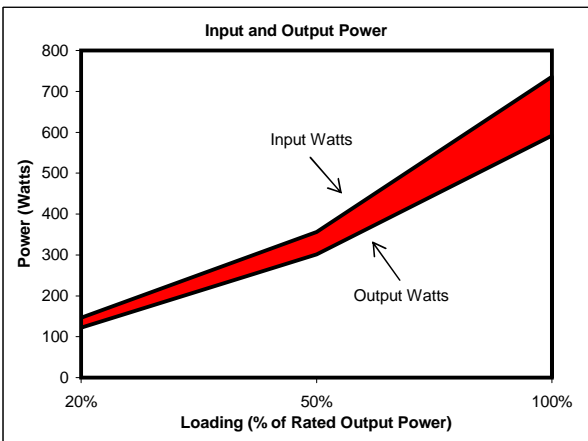
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	600	Watts

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



Input AC Current Waveform (ITHD = 6.01%, 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
1.32	0.96	16.7%	20%	Light	147	12.2/7.6	12/0	3.4/3.2	5/3.2	5.1/0.5	122	83.07%
3.15	0.98	6.0%	50%	Typical	356	12.1/18.9	12.1/0.1	3.3/8.1	4.9/8.1	5/1.1	301	84.57%
6.43	1.00	2.8%	100%	Full	736	11.9/37.7	12.3/0.3	3.2/16.1	4.8/16.1	4.9/2.2	592	80.45%



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/>

