

80 PLUS Verification and Testing Report

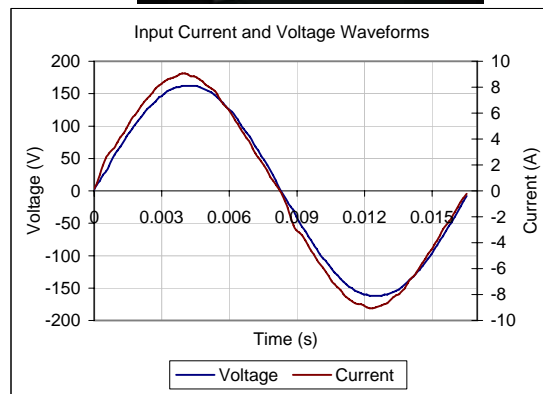
TYPICAL EFFICIENCY (50% Load): 85.06%
AVERAGE EFFICIENCY : 83.52%
80 PLUS COMPLIANT: YES



Ecos ID #	1128
Manufacturer	IN WIN
Model Number	IP-P600CQ3-2 P5
Serial Number	66388014100048
Year	2008
Type	ATX12V
Test Date	11/18/2008

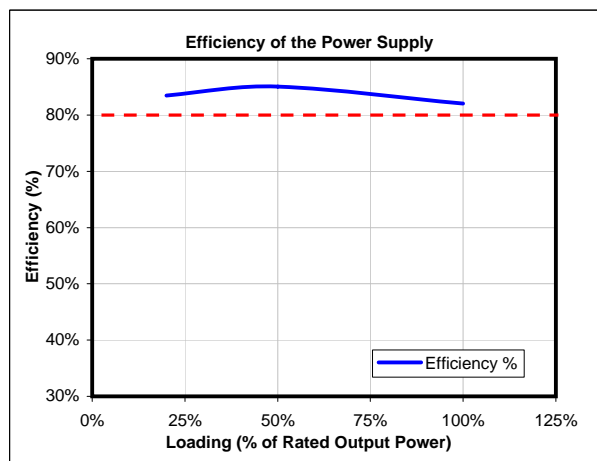
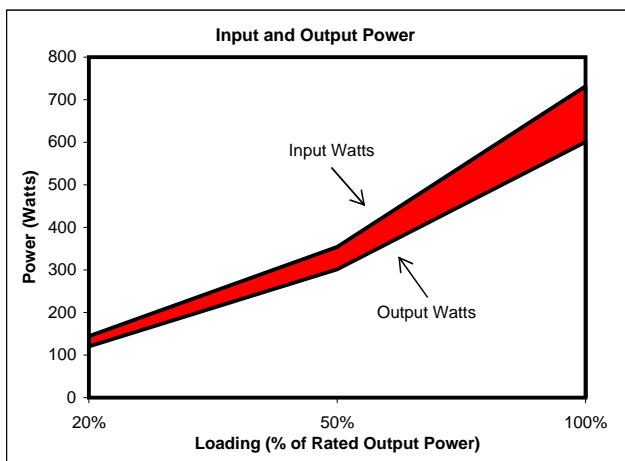
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	60/50	Hz
Rated Output Power	600	Watts

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



Input AC Current Waveform (ITHD = 4.15%, 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		
1.29	0.97	8.5%	20%	Light	144	12/7.7	12.1/0.1	3.4/2.9	5.1/2.9	5/0.5	120	83.48%
3.10	0.99	4.2%	50%	Typical	354	12/19.3	12.1/0.2	3.4/7.4	5.1/7.4	5/1.2	301	85.06%
6.38	1.00	3.1%	100%	Full	732	12/38.4	12/0.4	3.3/14.7	5/14.7	5/2.5	600	82.03%



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/>

