

80 PLUS Verification and Testing Report

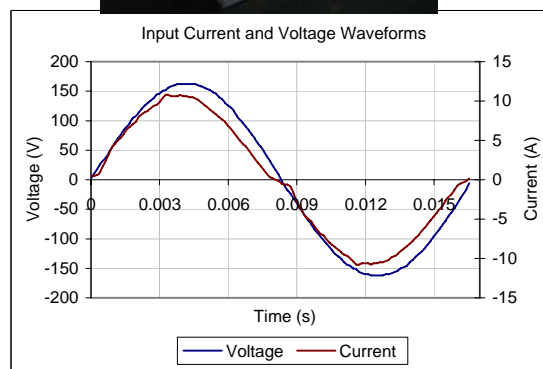
TYPICAL EFFICIENCY (50% Load):	86.64%
AVERAGE EFFICIENCY :	85.16%
80 PLUS COMPLIANT:	YES



Ecos ID #	1044
Manufacturer	HEC
Model Number	HEC-700TE
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	10/21/2008

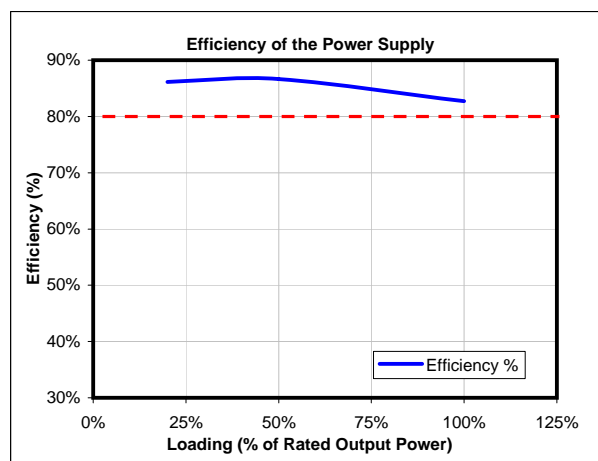
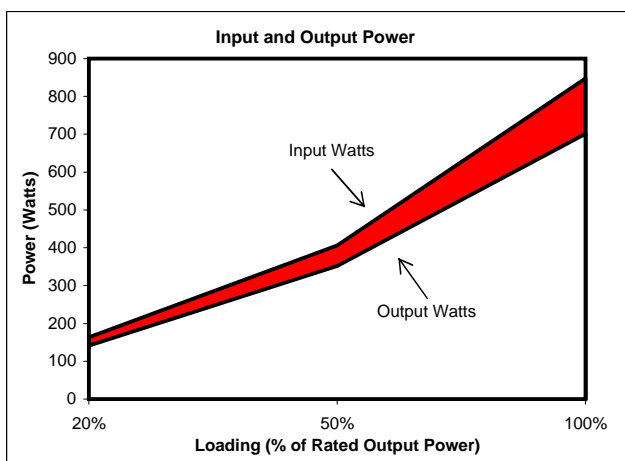
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 13.74%, 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		
1.47	0.97	20.2%	20%	Light	164	12.1/9.3	11.6/0	3.3/3.4	5/2.9	5.1/0.4	141	86.13%
3.60	0.98	13.7%	50%	Typical	406	12.1/23.3	11.7/0.1	3.3/8.6	5/7.2	5/1.1	352	86.64%
7.41	0.99	7.3%	100%	Full	848	12.1/46.5	11.9/0.3	3.3/17.1	4.9/14.3	5/2.2	701	82.70%



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/>

