

# 80 PLUS Verification and Testing Report

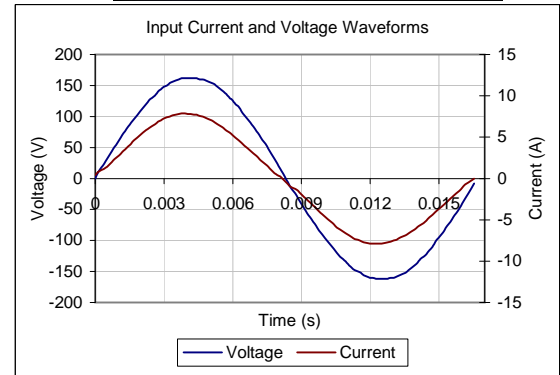
TYPICAL EFFICIENCY (50% Load):	83.76%
AVERAGE EFFICIENCY :	81.78%
80 PLUS COMPLIANT:	YES



Ecos ID #	428
Manufacturer	Hipro
Model Number	H525E-00
Serial Number	NA
Year	2007
Type	CUSTOM
Test Date	10/25/2007

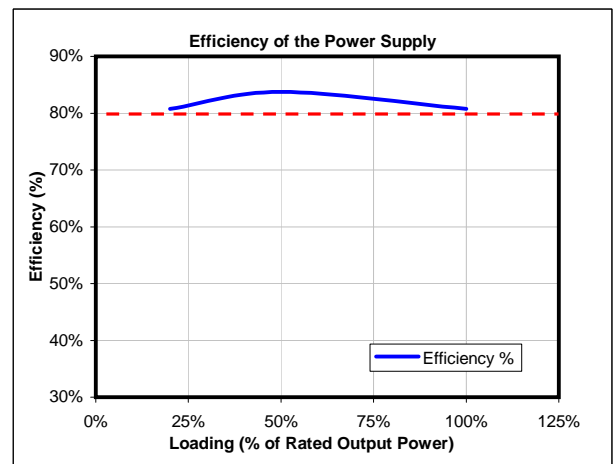
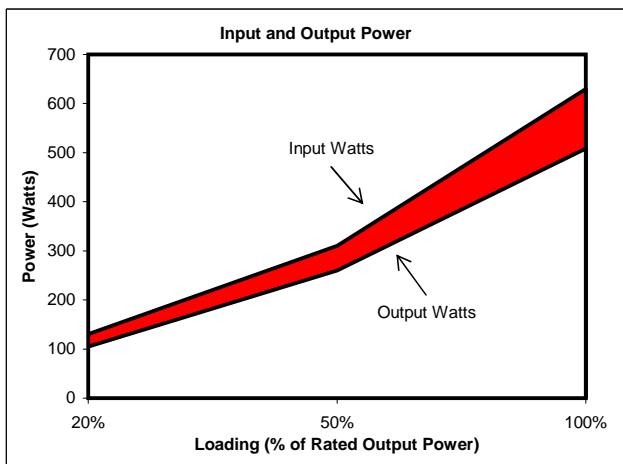
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	525	Watts

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



Input AC Current Waveform (ITHD = 4.9%, 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		
1.15	0.98	6.8%	20%	Light	130	12/6.3	12/0.2	3.2/2.3	5.1/3	5.1/0.8	105	80.79%
2.71	1.00	4.9%	50%	Typical	310	11.9/15.8	12/0.5	3.1/5.8	4.9/7.5	5/2	260	83.76%
5.49	1.00	5.4%	100%	Full	629	11.8/31.6	11.5/1	3/11.6	4.8/15.1	4.8/4	509	80.79%



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/>

