80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**85.37%**
AVERAGE EFFICIENCY :	**83.65%**
80 PLUS COMPLIANT:	**YES**

Ecos ID #	659.1
Manufacturer	JSP-TECH ENTERPRISE
Model Number	JSP-350P14A
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	5/14/2008

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	**350**	**Watts**

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

Input Current and Voltage Waveforms
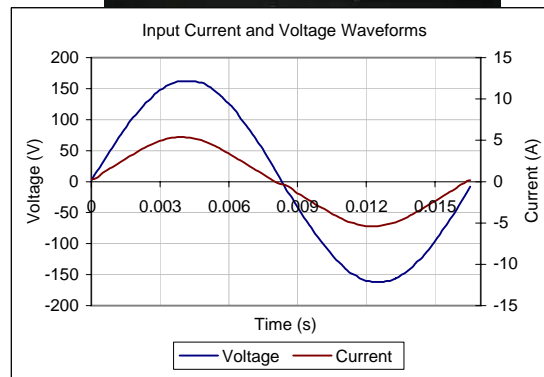
Input AC Current Waveform (ITHD = 9.4%, 50% Load)

I_{RMS} A	PF	I_{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A) 12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB	Output Watts	Efficiency %
0.76	0.98	10.3%	20%	**Light**	86	12.2/4.2	12.2/0	3.3/2.5	5.1/1.8	5.2/0.5	71	**82.98%**
1.82	0.99	9.4%	50%	**Typical**	207	12.2/10.4	12.3/0.1	3.3/6.2	5/4.4	5.1/1.2	177	**85.37%**
3.70	1.00	6.6%	100%	**Full**	423	12.1/20.8	12.5/0.2	3.2/12.4	4.9/8.8	5/2.5	350	**82.61%**

Input and Output Power

Efficiency of the Power Supply
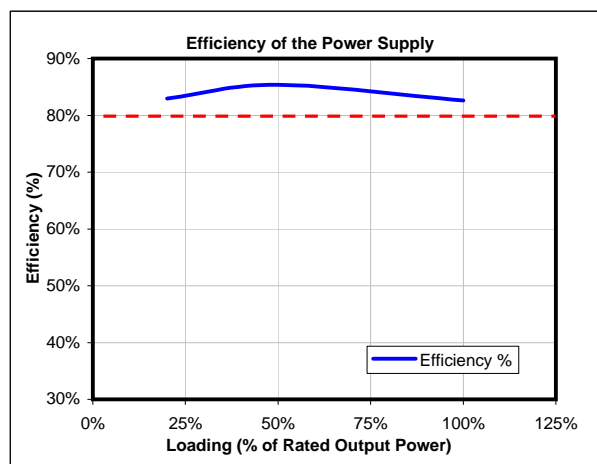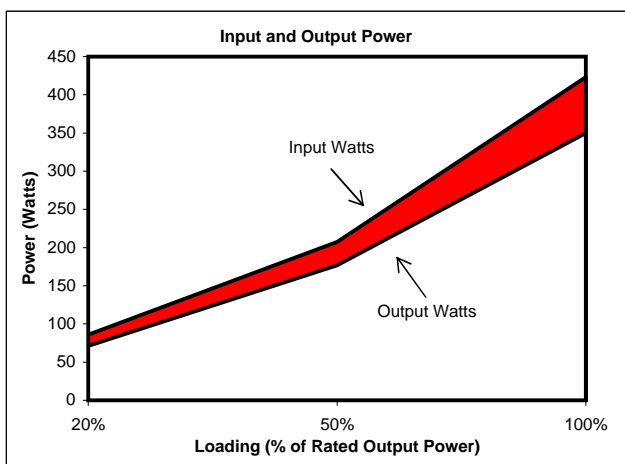
These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. *http://www.80plus.org/*