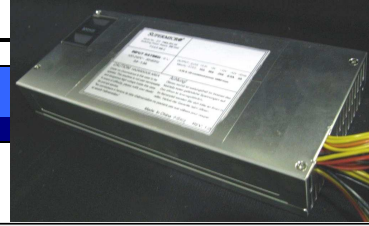
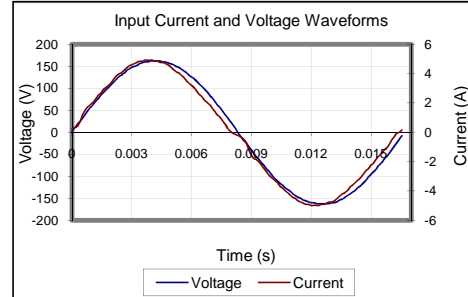


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	90.42%
AVERAGE EFFICIENCY :	88.99%
80 PLUS COMPLIANT:	YES



Ecos ID #	1658
Manufacturer	SUPER MICRO COMPUTER
Model Number	PWS-351-1H
Serial Number	N/A
Year	2009
Type	1U
Test Date	9/11/2009

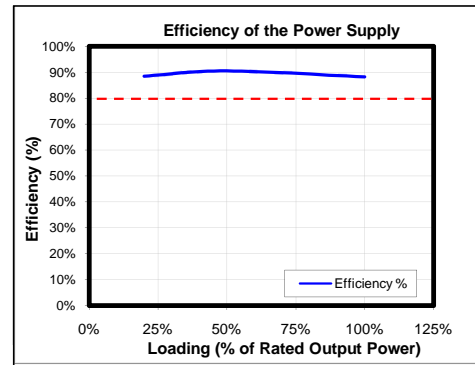
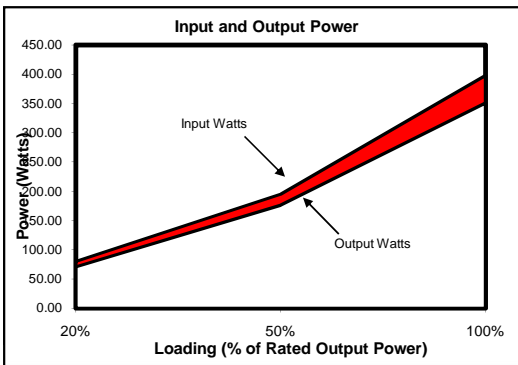


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	3.9-1.3	Amps
Input Frequency	50-60	Hz
Rated Output Power	350	Watts

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

Input AC Current Waveform (ITHD = 10.11%, 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.)					
0.71	0.9801	15.46%	20%	Light	80.11	12.1/4.3					
1.72	0.9835	10.11%	50%	Typical	195.10	12/10.8				176.41	90.42%
3.47	0.9954	5.10%	100%	Full	398.20	12/21.7				350.96	88.14%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.