

80 PLUS Verification and Testing Report

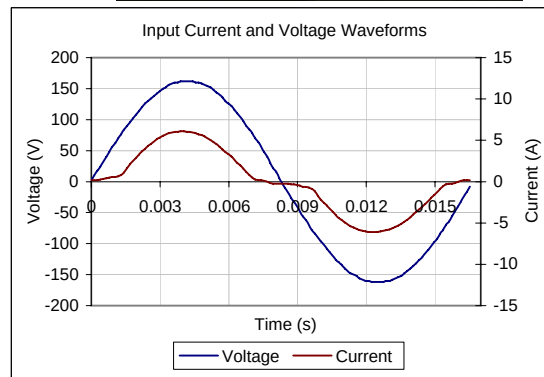
TYPICAL EFFICIENCY (50% Load):	84.86%
AVERAGE EFFICIENCY :	82.90%
80 PLUS COMPLIANT:	YES



Ecos ID #	934
Manufacturer	THERMALTAKE
Model Number	LP-350AH2NF
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	9/23/2008

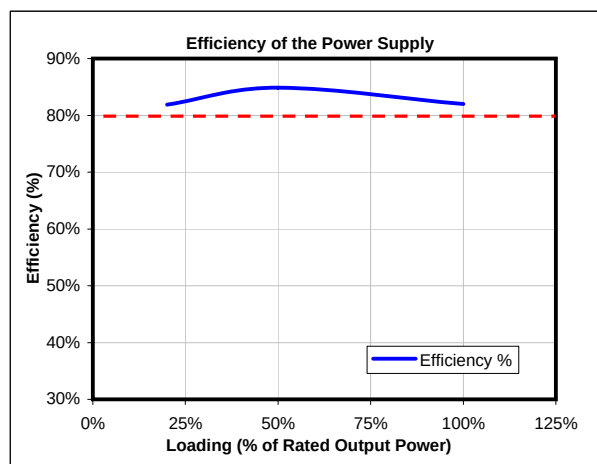
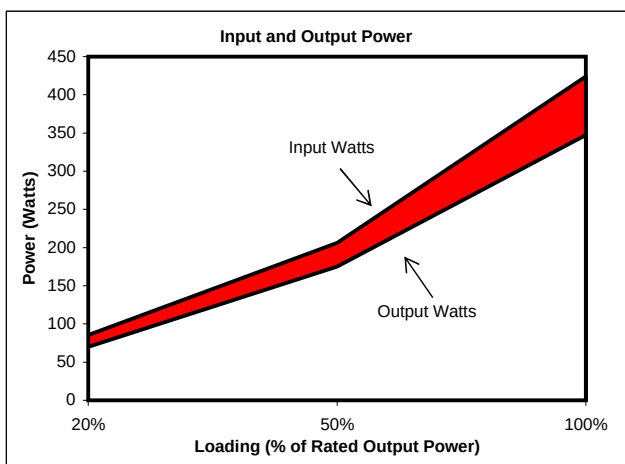
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5.5-3.0	Amps
Input Frequency	50-60	Hz
Rated Output Power	350	Watts

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



Input AC Current Waveform (ITHD = 27.27%, 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		
0.75	0.99	10.1%	20%	Light	86	11.9/4.3	11.9/0.1	3.4/2	5.1/1.9	5.1/0.4	70	81.88%
1.87	0.96	27.3%	50%	Typical	206	11.9/10.7	12/0.2	3.4/5	5.1/4.7	5.1/0.9	175	84.86%
3.81	0.97	25.0%	100%	Full	424	11.8/21.4	11.9/0.4	3.4/9.9	5/9.4	5/1.9	348	81.98%



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.

