80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**88.68%**
AVERAGE EFFICIENCY :	**87.12%**
80 PLUS COMPLIANT:	**YES**

Ecos ID #	1283
Manufacturer	ON SEMICONDUCTOR
Model Number	ATX 255W 85+
Serial Number	N/A
Year	2009
Type	ATX12V
Test Date	1/26/2009

Input Current and Voltage Waveforms

| Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	N/A	Amps
Input Frequency	N/A	Hz
Rated Output Power	**255**	**Watts**

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.
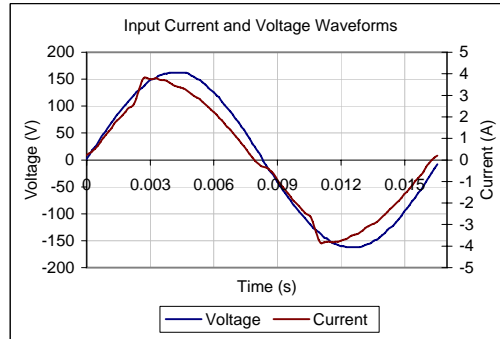
Input AC Current Waveform (ITHD = 13.82%, 50% Load)

I_{RMS} A	PF	I_{THD} (%)	Load (%)	Fraction of Load	Input Watts	12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB	Output Watts	Efficiency %
0.54	0.96	14.5%	20%	Light	60	12.1/2.9	12.6/0.1	3.3/1	5/1.9	5/0.5	51	85.80%
1.27	0.98	13.8%	50%	Typical	144	12/7.3	12.1/0.2	3.2/2.5	5/4.7	5/1.2	128	88.68%
2.55	0.99	10.5%	100%	Full	291	11.9/14.7	11.4/0.3	3.2/5	4.9/9.4	4.9/2.4	253	86.88%

DC Terminal Voltage (V)/ DC Load Current (A)

Input and Output Power

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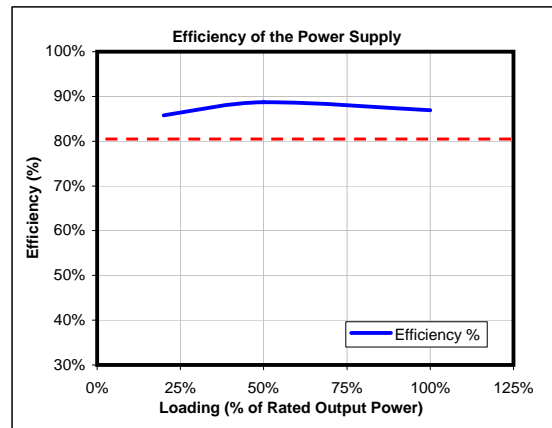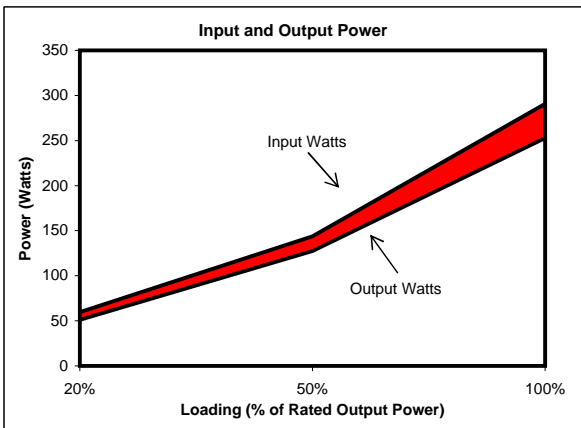
These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.

Tested by Electric Power Research Institute, Knoxville, TN.

80 PLUS