80 PLUS Verification and Testing Report

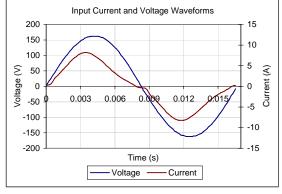
80 PLUS COMPLIANT:	YES	
AVERAGE EFFICIENCY:	82.71%	
TYPICAL EFFICIENCY (50% Load):	84.39%	



Ecos ID #	245
Manufacturer	Supermicro
Model Number	PWS_465_PQ
Serial Number	NA
Year	2007
Туре	ATX12V
Test Date	6/12/2007

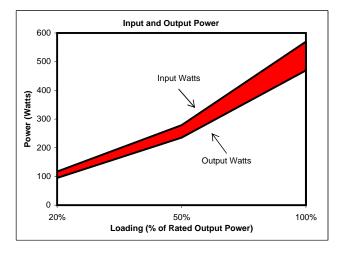
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6	Amps
Input Frequency	50-60	Hz
Rated Output Power	465	Watts

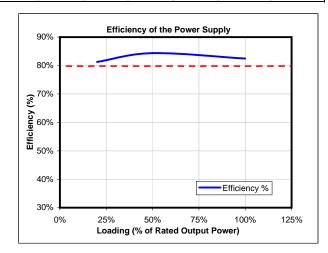
Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 21.75%, 50% Load)

I _{RMS}	PF	I _{THD} (%)	Load	Fraction	Input	DC Terminal Voltage (V)/ DC Load Current (A)				Output	Efficiency	
Α			(%)	of Load	Watts	12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB	Watts	%
1.07	0.95	25.6%	20%	Light	117	12.2/5.6	12/0.1	3.3/2.5	5/3	5.1/0.5	95	81.30%
2.51	0.96	21.8%	50%	Typical	279	12.2/14.1	12/0.2	3.3/5.6	5/7.5	5/1.2	235	84.39%
5.12	0.97	18.5%	100%	Full	570	12.2/28.1	12/0.4	3.3/11.2	4.9/15	4.9/2.4	470	82.43%







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.