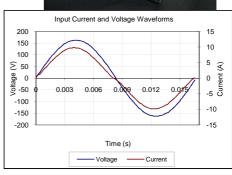
## **80 PLUS Verification and Testing Report**

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



1359
SUPER MICRO COMPUTER INC.
PWS-665-PQ
672042023424
2009
ATX12V
3/18/2009

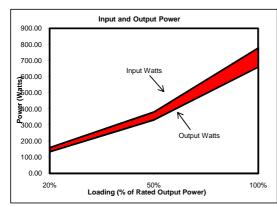
Rated Specifications	Value	Units					
Input Voltage	100-240	Volts					
Input Current	10-5	Amps					
Input Frequency	50-60	Hz					
Rated Output Power	665	Watts					
Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz							

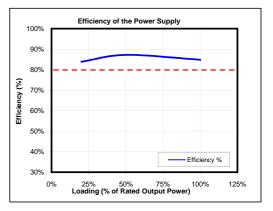


Input AC Current Waveform (ITHD = 6.55%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub> (%)	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	%
1.40	0.9855	9.60%	20%	Light	159.19	12/8.4	12/0.1	3.3/2.8	5.1/3.4	5.1/0.9	133.47	83.84%
3.33	0.9948	6.55%	50%	Typical	380.60	11.9/21.1	12/0.2	3.3/6.9	5/8.6	5.1/2.3	331.96	87.22%
6.79	0.9968	6.28%	100%	Full	778.00	11.9/42.1	12/0.4	3.2/13.8	5/17.3	5/4.7	659.90	84.82%

87.22% 85.29% YES







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.