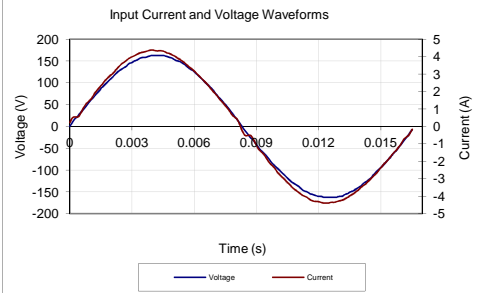


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	92.31%
AVERAGE EFFICIENCY :	91.03%
80 PLUS COMPLIANT:	YES



Ecos ID #	3497
Manufacturer	Super Micro Computer
Model Number	PWS-655P-1HS
Serial Number	N/A
Year	2013
Type	1U
Test Date	3/18/13

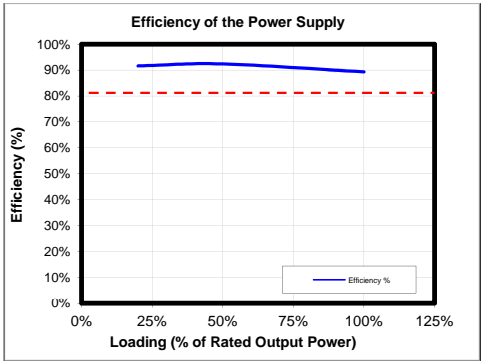
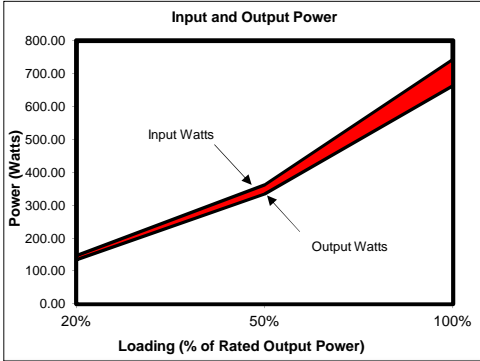


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8.5	Amps
Input Frequency	50/60	Hz
Rated Output Power	650	Watts

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

Input AC Current Waveform (ITHD = 2.48%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	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
0.68	0.98	6.81%	10%	76.30	12.4/5.3		0/0	0/0	0/0	5.1/0.3	66.90	87.68%
1.28	0.99	4.38%	20%	146.79	12.3/10.6		0/0	0/0	0/0	5.1/0.6	134.35	91.53%
3.15	1.00	2.48%	50%	362.00	12.3/26.6		0/0	0/0	0/0	5/1.5	334.18	92.31%
6.47	1.00	2.44%	100%	743.60	12.2/53.1		0/0	0/0	0/0	4.9/2.9	663.63	89.25%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

