

# 80 PLUS Verification and Testing Report

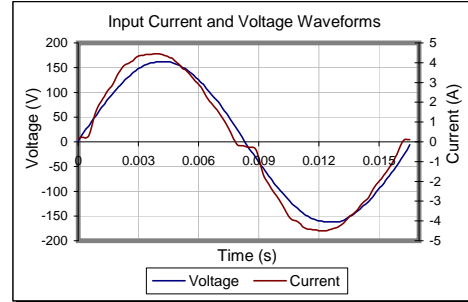
TYPICAL EFFICIENCY (50% Load):	85.16%
AVERAGE EFFICIENCY :	83.55%
80 PLUS COMPLIANT:	YES



Ecos ID #	1707
Manufacturer	HUNTKEY
Model Number	HK400-13PP
Serial Number	9A000001
Year	2009
Type	ATX12V
Test Date	9/28/2009

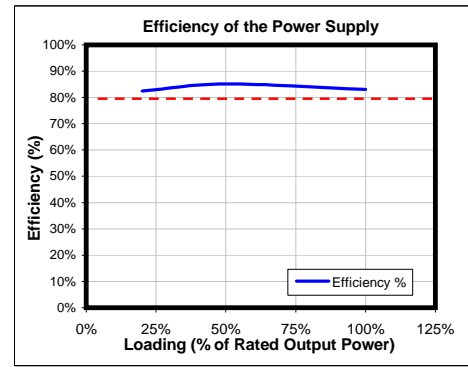
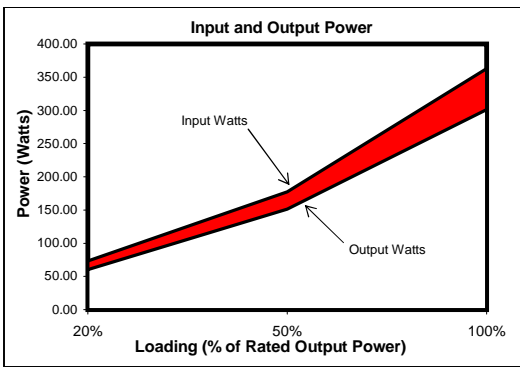
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50/60	Hz
Rated Output Power	300	Watts

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



Input AC Current Waveform (ITHD = 17.08%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)						
0.66	0.9632	18.27%	20%	Light	73.25	12.1/3.3						
1.59	0.9704	17.08%	50%	Typical	177.55	12.1/8.3					60.42	82.48%
3.18	0.9906	8.86%	100%	Full	362.80	12.1/16.6					301.16	83.01%



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/>

