

80 PLUS Verification and Testing Report

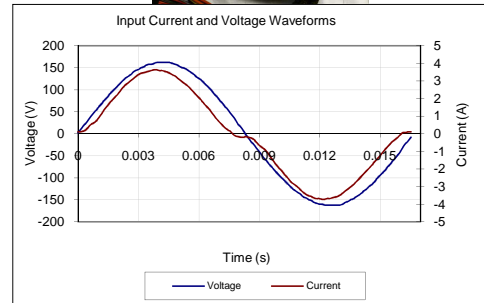
TYPICAL EFFICIENCY (50% Load):	92.83%
AVERAGE EFFICIENCY :	91.69%
80 PLUS COMPLIANT:	YES



Ecos ID #	2409.1
Manufacturer	Kingwin
Model Number	Kingwin:STR-500
Serial Number	S1101002356
Year	2011
Type	EPS12V
Test Date	1/14/2011

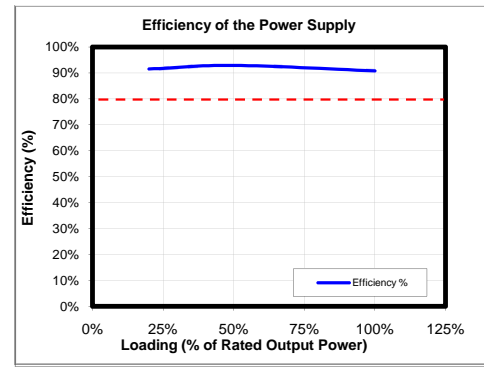
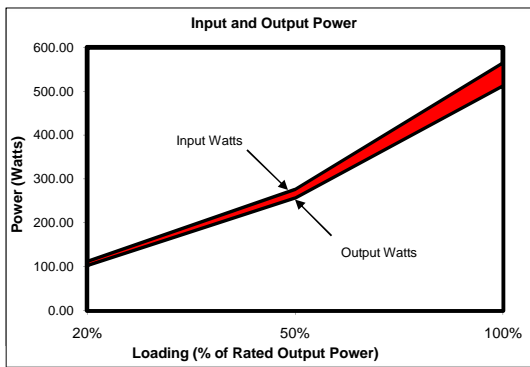
Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	10	Amps
Input Frequency	60/50	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 15.06%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)						
1.00	0.98	7.50%	20%	Light	112.54	12.3/7					102.94	91.47%
2.45	0.98	15.06%	50%	Typical	276.80	12.3/17.5					256.96	92.83%
4.95	0.99	10.79%	100%	Full	565.30	12.3/34.9					513.12	90.77%



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/>

