

80 PLUS Verification and Testing Report

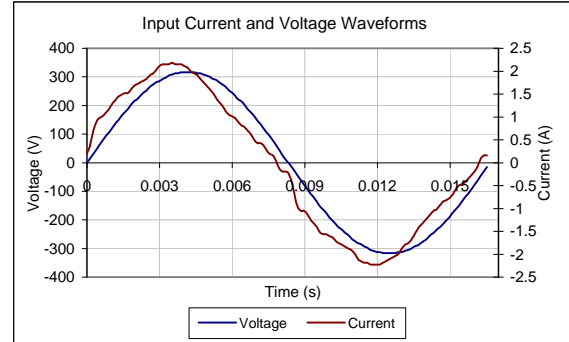
TYPICAL EFFICIENCY (50% Load):	89.85%
AVERAGE EFFICIENCY :	88.19%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-180
Manufacturer	ETASIS
Model Number	EFRP-S603
Serial Number	E025GYG00004
Year	2010
Type	1U
Test Date	8/19/2010

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	600	Watts

Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

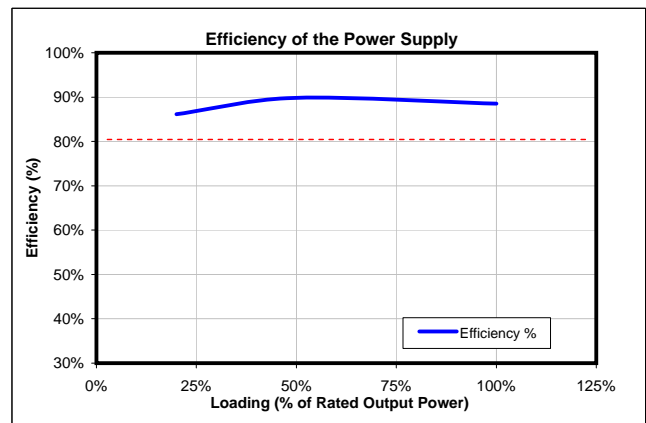
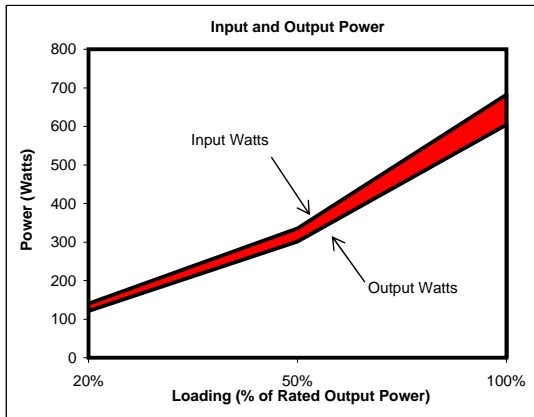


Input AC Current Waveform (ITHD = 8.61%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)**	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12V	5Vsb		
0.43	0.77	21.71	*10%	Low	77	1.68	12.13/4.87	5/0.35	61	79.11%
0.68	0.89	12.26	20%	Light	141	1.68	12.13/9.71	4.98/0.69	121	86.17%
1.50	0.97	8.61	50%	Typical	336	2.40	12.11/24.19	4.94/1.74	302	89.85%
3.00	0.99	8.58	100%	Full	682	4.92	12.06/48.59	4.9/3.48	604	88.56%

* 10% load results are for informative purposes only and not included in certification requirements.

** Fan power is not included in the efficiency calculations



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/>

