

80 PLUS Verification and Testing Report

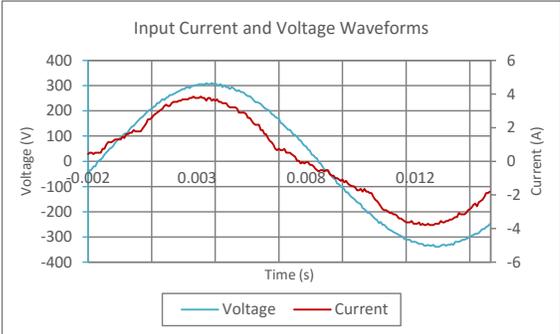
TYPICAL EFFICIENCY (50% Load):	93.93%
AVERAGE EFFICIENCY :	92.87%
80 PLUS COMPLIANT:	YES



ID Number	EU-397
Manufacturer	Alpha Miner, Limited
Model Number	Alpha Miner PSU-1000
Serial Number	201801071070
Year	2018
Type	PS2
Test Date	03/09/18

Rated Specifications	Value	Units
Input Voltage	220-240	Volts
Input Current	15	Amps
Input Frequency	50-60	Hz
Rated Output Power	1,000	Watts

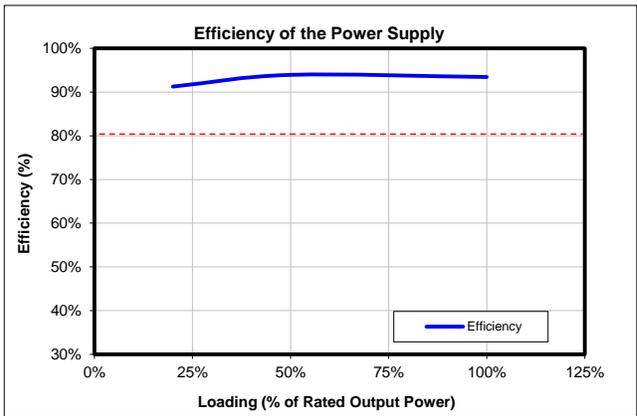
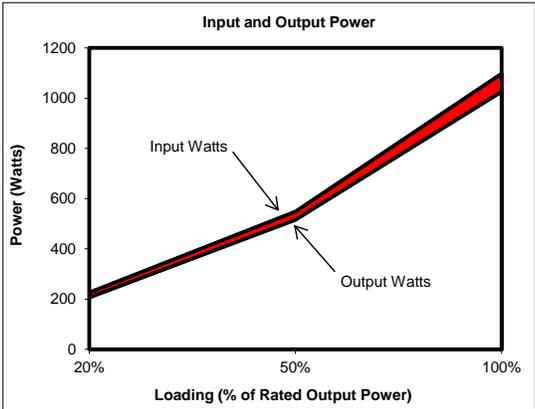
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 14.19%, 50% Load)

I _{RMS}	PF	I _{THD}	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
							12V			
0.68	0.76	26.72%	10%	Low	118	5.64	12.41/8.32		103	87.51%
1.11	0.89	27.54%	20%	Light	226	0.00	12.4/16.65		206	91.25%
2.45	0.97	14.19%	50%	Typical	548	5.76	12.38/41.6		515	93.93%
4.82	0.99	9.75%	100%	Full	1098	5.76	12.33/83.19		1026	93.43%

* 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/>

