

# 80 PLUS Verification and Testing Report

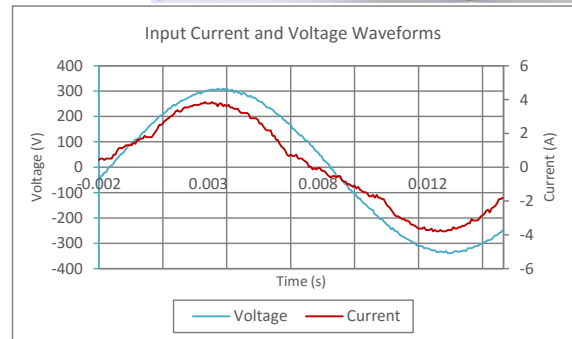
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>93.93%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>92.87%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	EU-397
<b>Manufacturer</b>	Alpha Miner, Limited
<b>Model Number</b>	Alpha Miner PSU-1000
<b>Serial Number</b>	201801071070
<b>Year</b>	2018
<b>Type</b>	PS2
<b>Test Date</b>	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

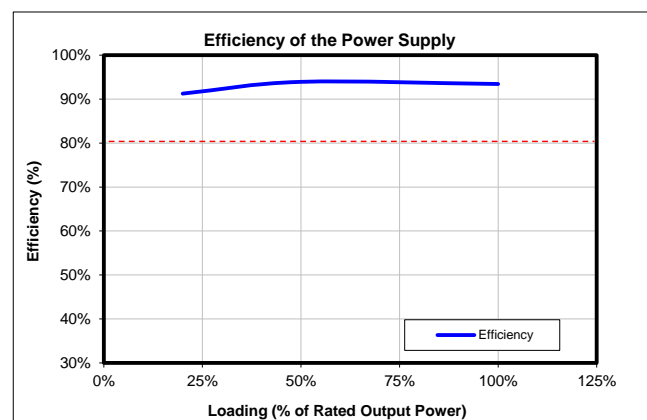
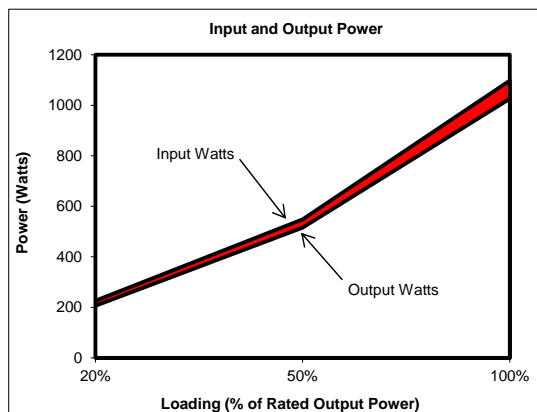
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



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

I <sub>RMS</sub>	PF	I <sub>THD</sub>	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/>

