80 PLUS Verification and Testing Report

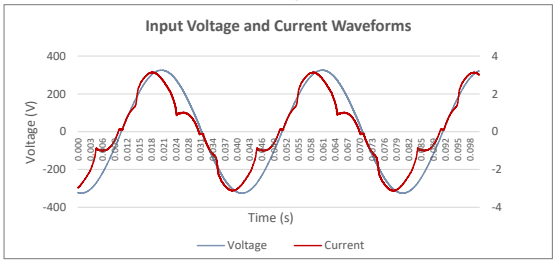


TYPICAL EFFICIENCY (50% Load):	**87.30%**
AVERAGE EFFICIENCY :	**78.13%**
AVERAGE STANDBY EFFICIENCY :	**62.17%**
80 PLUS COMPLIANT:	**Standard**

ID Number	EU-1269
Manufacturer	Xigmatek
Model Number	X-POWER 750
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V
Test Date	11/12/25

Rated	Value	Units
Input Voltage	220-240	**Volts**
Input Current	10	**Amps**
Input Frequency	50/60	**Hz**
Rated Output Power	750	**Watts**

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



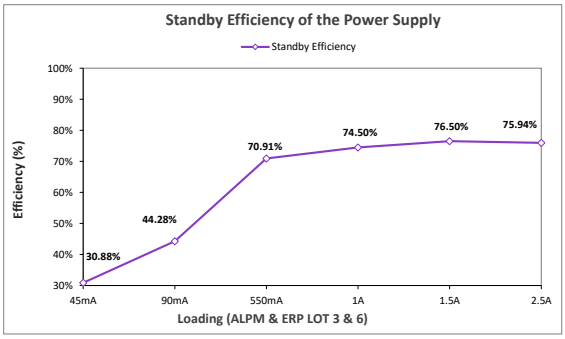
Input AC Current Waveform (ITHD = 20.34%, 50% Load)

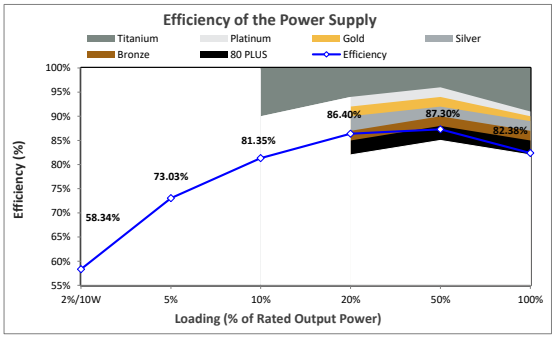
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.198	0.1591	18.38	0%	**7.25**	**No-Load**						
0.340	**0.3303**	74.54	2%/10W	**25.88**	12.024/1.063	11.715/0.006	3.413/0.235	5.145/0.235	5.175/0.049	**15.10**	**58.34%**
0.464	**0.4844**	80.63	5%	**51.66**	12.021/2.655	11.780/0.015	3.411/0.587	5.141/0.587	5.167/0.122	**37.72**	**73.03%**
0.613	**0.6576**	70.52	10%	**92.71**	12.020/5.309	11.816/0.029	3.408/1.172	5.132/1.172	5.152/0.244	**75.42**	**81.35%**
0.850	**0.8917**	42.04	20%	**174.38**	12.010/10.617	11.857/0.058	3.402/2.345	5.117/2.345	5.122/0.487	**150.67**	**86.40%**
1.948	**0.9593**	20.34	50%	**429.76**	11.969/26.543	11.967/0.146	3.382/5.865	5.077/5.865	5.028/1.217	**375.17**	**87.30%**
4.045	**0.9708**	16.49	100%	**903.52**	11.887/53.082	12.181/0.292	3.347/11.731	5.003/11.733	4.845/2.434	**744.31**	**82.38%**

Note: Efficiency data was obtained from Sample 1 (Serial Number: N/A)

$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)	Output Watts	Standby Efficiency
					5VSB		
0.080	0.0250	6.45	0mA	**0.47**	**Vampire Load**		
0.080	**0.0413**	11.80	45mA	**0.75**	5.174/0.045	**0.23**	**30.88%**
0.081	**0.0566**	17.43	90mA	**1.05**	5.171/0.090	**0.47**	**44.28%**
0.095	**0.1822**	52.75	550mA	**3.99**	5.144/0.550	**2.83**	**70.91%**
0.117	**0.2559**	69.38	1A	**6.87**	5.117/1.000	**5.12**	**74.50%**
0.143	**0.3040**	78.09	1.5A	**9.97**	5.087/1.500	**7.63**	**76.50%**
0.203	**0.3546**	85.40	2.5A	**16.53**	5.022/2.500	**12.55**	**75.94%**

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: N/A)





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.
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