80 PLUS Verification and Testing Report

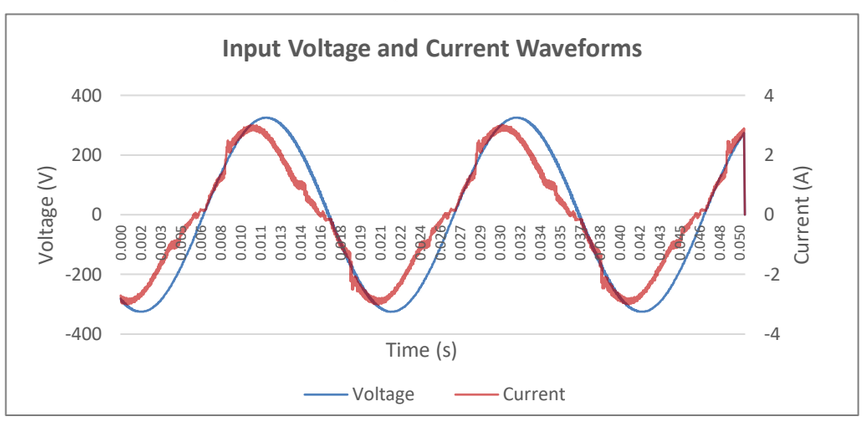
TYPICAL EFFICIENCY (50% Load):	**92.74%**
AVERAGE EFFICIENCY :	**83.65%**
AVERAGE STANDBY EFFICIENCY :	**75.10%**
80 PLUS COMPLIANT:	**Gold**



ID Number	EU-1224
Manufacturer	Xigmatek
Model Number	XTK750G
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	5/28/25

Rated	**Value**	**Units**
Input Voltage	200-240	**Volts**
Input Current	4.5	**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.



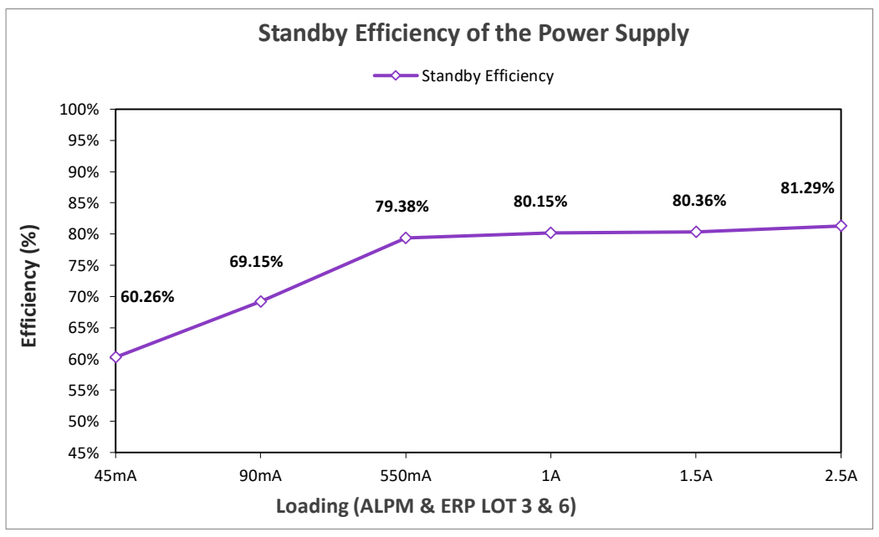
Input AC Current Waveform (ITHD = 14.92%, 50% Load)

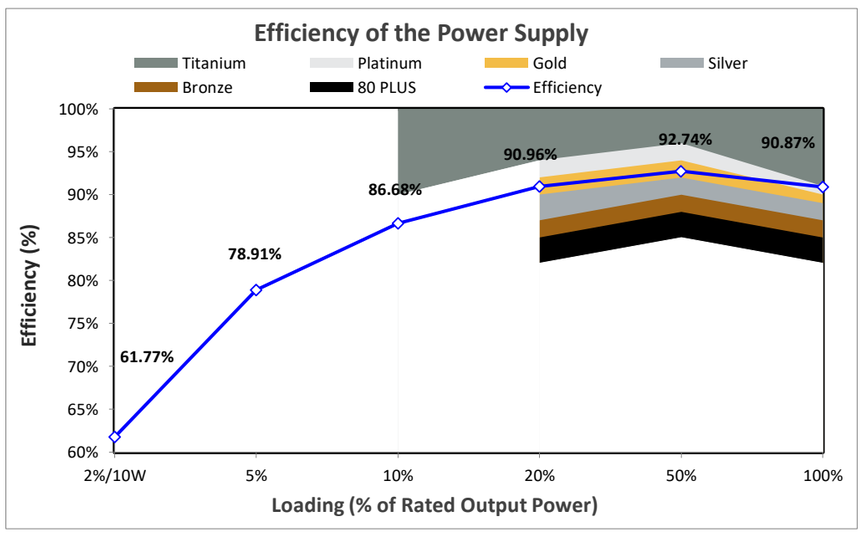
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.150	0.2477	16.61	0%	8.54	No-Load						
0.216	**0.5034**	26.10	2%/10W	25.00	12.361/1.084	11.871/0.005	3.408/0.209	5.120/0.208	5.111/0.043	15.44	**61.77%**
0.304	**0.6990**	21.67	5%	48.92	12.359/2.708	11.873/0.013	3.405/0.522	5.118/0.521	5.108/0.108	38.60	**78.91%**
0.459	**0.8439**	17.26	10%	89.01	12.356/5.413	11.874/0.026	3.403/1.041	5.115/1.042	5.103/0.217	77.15	**86.68%**
0.799	**0.9229**	16.57	20%	169.61	12.353/10.826	11.876/0.052	3.398/2.084	5.108/2.085	5.093/0.433	154.28	**90.96%**
1.879	**0.9612**	14.92	50%	415.27	12.338/27.067	11.875/0.130	3.385/5.214	5.084/5.215	5.063/1.083	385.13	**92.74%**
3.758	**0.9766**	10.73	100%	844.14	12.298/54.123	11.887/0.260	3.348/10.430	5.046/10.430	5.011/2.164	767.09	**90.87%**

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		
0.112	0.0039	1.37	0mA	0.10	Vampire Load		
0.112	**0.0148**	5.50	45mA	0.38	5.114/0.045	0.23	**60.26%**
0.113	**0.0256**	8.64	90mA	0.67	5.113/0.090	0.46	**69.15%**
0.121	**0.1266**	34.99	550mA	3.54	5.101/0.550	2.81	**79.38%**
0.136	**0.2033**	51.93	1A	6.35	5.087/1.000	5.09	**80.15%**
0.156	**0.2637**	64.48	1.5A	9.48	5.076/1.500	7.61	**80.36%**
0.200	**0.3375**	75.58	2.5A	15.54	5.047/2.503	12.63	**81.29%**

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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