

80 PLUS Verification and Testing Report

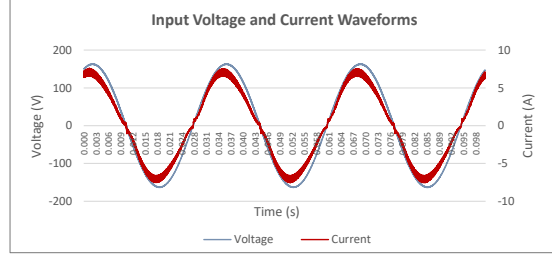
TYPICAL EFFICIENCY (50% Load):	92.41%
AVERAGE EFFICIENCY :	86.73%
AVERAGE STANDBY EFFICIENCY :	76.41%
80 PLUS COMPLIANT:	Platinum



ID Number	7821
Manufacturer	FSP Technology Inc.
Model Number	MEGA-1000GM
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V, ATX 3.1
Test Date	5/5/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	1000	Watts

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



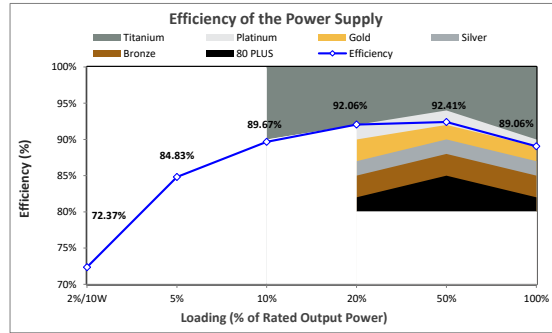
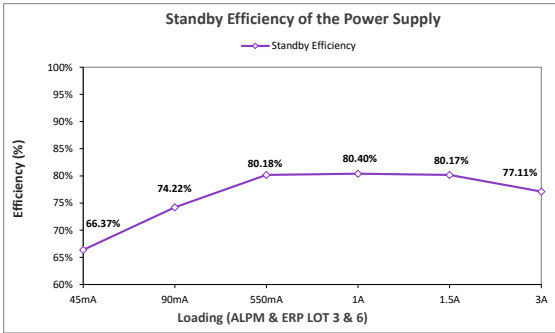
Input AC Current Waveform (ITHD = 7.79%, 50% Load)

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		
0.149	0.4261	28.19	0%	7.28							
0.289	0.8437	22.74	2%/10W	28.01	12.144/1.464	12.027/0.005	3.390/0.254	5.117/0.254	5.113/0.053	20.27	72.37%
0.553	0.9392	20.95	5%	59.73	12.143/3.660	12.026/0.013	3.389/0.635	5.116/0.635	5.107/0.132	50.67	84.83%
1.008	0.9749	16.00	10%	112.99	12.142/7.319	12.025/0.026	3.390/1.270	5.118/1.270	5.101/0.264	101.32	89.67%
1.926	0.9935	8.66	20%	220.10	12.141/14.636	12.024/0.053	3.388/2.540	5.117/2.540	5.083/0.527	202.62	92.06%
4.784	0.9945	7.79	50%	547.22	12.127/36.592	12.025/0.132	3.369/6.349	5.098/6.350	5.014/1.318	505.68	92.41%
9.916	0.9919	9.38	100%	1131.24	12.093/73.182	12.032/0.264	3.329/12.698	5.056/12.697	4.892/2.634	1007.47	89.06%

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						
0.083	0.0069	17.69	0mA	0.07							
0.082	0.0364	23.42	45mA	0.34						0.23	66.37%
0.086	0.0619	32.88	90mA	0.62						0.46	74.22%
0.115	0.2630	68.90	550mA	3.47						2.78	80.18%
0.161	0.3380	82.22	1A	6.27						5.04	80.40%
0.222	0.3678	86.37	1.5A	9.38						7.52	80.17%
0.445	0.3761	89.55	3A	19.24						14.84	77.11%

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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