

80 PLUS Verification and Testing Report

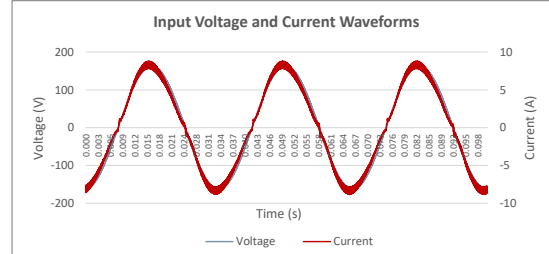
TYPICAL EFFICIENCY (50% Load):	93.08%
AVERAGE EFFICIENCY :	88.06%
AVERAGE STANDBY EFFICIENCY :	76.92%
80 PLUS COMPLIANT:	Platinum



ID Number	7822
Manufacturer	FSP Technology Inc.
Model Number	MEGA-1200GM
Sample 1 S/N:	S5020130028
Sample 2 S/N:	S5020130027
Type	ATX12V, ATX 3.1
Test Date	5/5/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	15-8	Amps
Input Frequency	50-60	Hz
Rated Output Power	1200	Watts

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



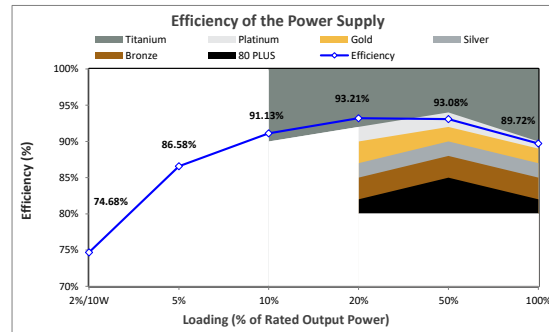
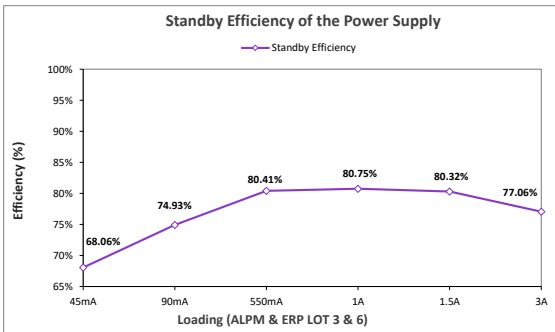
Input AC Current Waveform (ITHD = 5.93%, 50% Load)

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		
0.146	0.4461	28.15	0%	7.49							
0.330	0.8565	22.69	2%/10W	32.46	12.102/1.793	12.042/0.005	3.388/0.259	5.118/0.259	5.114/0.054	24.24	74.68%
0.639	0.9518	19.91	5%	70.00	12.101/4.483	12.043/0.013	3.387/0.648	5.118/0.648	5.109/0.135	60.60	86.58%
1.180	0.9797	14.31	10%	132.95	12.099/8.963	12.041/0.027	3.387/1.296	5.117/1.296	5.100/0.269	121.16	91.13%
2.271	0.9952	4.65	20%	259.90	12.096/17.927	12.045/0.054	3.383/2.592	5.114/2.592	5.080/0.538	242.25	93.21%
5.670	0.9960	5.93	50%	649.62	12.083/44.819	12.044/0.135	3.359/6.480	5.090/6.480	5.007/1.345	604.65	93.08%
11.773	0.9928	7.88	100%	1343.59	12.057/89.634	12.054/0.269	3.317/12.961	5.046/12.960	4.881/2.689	1205.41	89.72%

Note: Efficiency data was obtained from Sample 1 (Serial Number: S5020130028)

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Standby Efficiency
					5VSB	Vampire Load					
0.083	0.0066	17.25	0mA	0.06							
0.085	0.0344	20.33	45mA	0.34		5.122/0.045				0.23	68.06%
0.087	0.0617	25.70	90mA	0.61		5.120/0.090				0.46	74.93%
0.116	0.2615	66.60	550mA	3.49		5.099/0.550				2.80	80.41%
0.159	0.3441	78.86	1A	6.29		5.078/1.000				5.08	80.75%
0.223	0.3674	83.06	1.5A	9.44		5.054/1.500				7.58	80.32%
0.501	0.3366	85.60	3A	19.40		4.981/3.001				14.95	77.06%

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: S5020130027)



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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