80 PLUS Verification and Testing Report

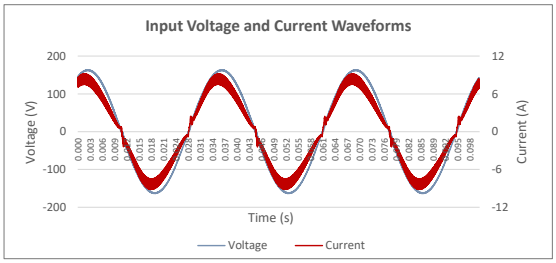


TYPICAL EFFICIENCY (50% Load):	92.38%
AVERAGE EFFICIENCY :	85.02%
AVERAGE STANDBY EFFICIENCY :	82.66%
80 PLUS COMPLIANT:	Platinum

ID Number	7964
Manufacturer	FSP Technology Inc.
Model Number	SDA2-1200PML (FSP1200-57SFB)
Sample 1 S/N:	9PA12A3800 S5281030009
Sample 2 S/N:	9PA12A3800 S5281030008
Type	ATX 3.1, SFX
Test Date	10/3/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	14-7	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.



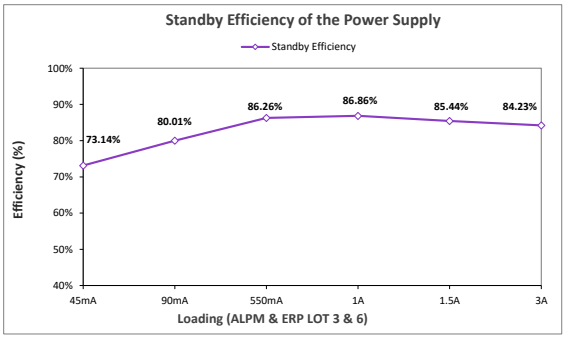
Input AC Current Waveform (ITHD = 9.69%, 50% Load)

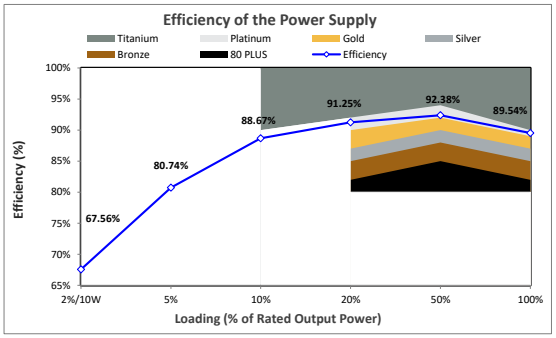
I_{RMS} (A)	PF	I_{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.185	0.5019	33.82	0%	10.73	No-Load						
0.392	**0.7921**	43.99	2%/10W	35.72	12.052/1.794	12.201/0.005	3.358/0.259	5.059/0.259	5.104/0.054	24.13	**67.56%**
0.731	**0.8884**	39.43	5%	74.68	12.044/4.484	12.201/0.013	3.358/0.648	5.059/0.648	5.099/0.135	60.30	**80.74%**
1.259	**0.9391**	30.57	10%	135.99	12.044/8.966	12.201/0.027	3.359/1.294	5.060/1.294	5.093/0.269	120.58	**88.67%**
2.348	**0.9781**	17.90	20%	264.05	12.031/17.931	12.200/0.054	3.358/2.590	5.059/2.590	5.082/0.538	240.95	**91.25%**
5.697	**0.9926**	9.69	50%	650.44	11.995/44.828	12.200/0.135	3.358/6.479	5.060/6.479	5.062/1.345	600.90	**92.38%**
11.715	**0.9920**	9.97	100%	1335.75	11.928/89.646	12.204/0.269	3.354/12.958	5.058/12.959	5.006/2.689	1195.99	**89.54%**

Note: Efficiency data was obtained from Sample 1 (Serial Number: 9PA12A3800 S5281030009)

I_{RMS} (A)	PF	I_{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)	Output Watts	Standby Efficiency
					5VSB		
0.113	0.0041	24.36	0mA	0.06	Vampire Load		
0.132	**0.0208**	55.44	45mA	0.31	5.078/0.045	0.23	**73.14%**
0.154	**0.0327**	70.15	90mA	0.57	5.080/0.090	0.46	**80.01%**
0.188	**0.1495**	80.22	550mA	3.23	5.063/0.550	2.78	**86.26%**
0.213	**0.2387**	82.80	1A	5.82	5.056/1.000	5.06	**86.86%**
0.254	**0.3040**	85.47	1.5A	8.85	5.042/1.500	7.56	**85.44%**
0.407	**0.3759**	89.17	3A	17.50	4.914/3.000	14.74	**84.23%**

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: 9PA12A3800 S5281030008)





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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