

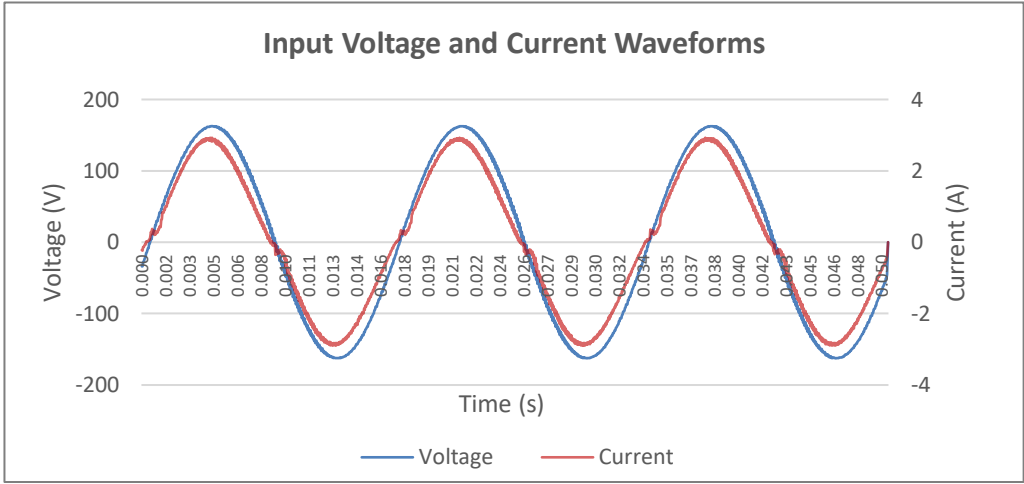
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	91.40%
AVERAGE EFFICIENCY :	82.46%
AVERAGE STANDBY EFFICIENCY :	72.59%
80 PLUS COMPLIANT:	Gold

ID Number	7726
Manufacturer	FSP Technology Inc.
Model Number	FSP400-50FVB
Sample 1 S/N:	9PA400NE00 S4471030223
Sample 2 S/N:	9PA400NE00 S4471030225
Type	FLEX ATX
Test Date	1/30/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	60-50	Hz
Rated Output Power	400	Watts

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



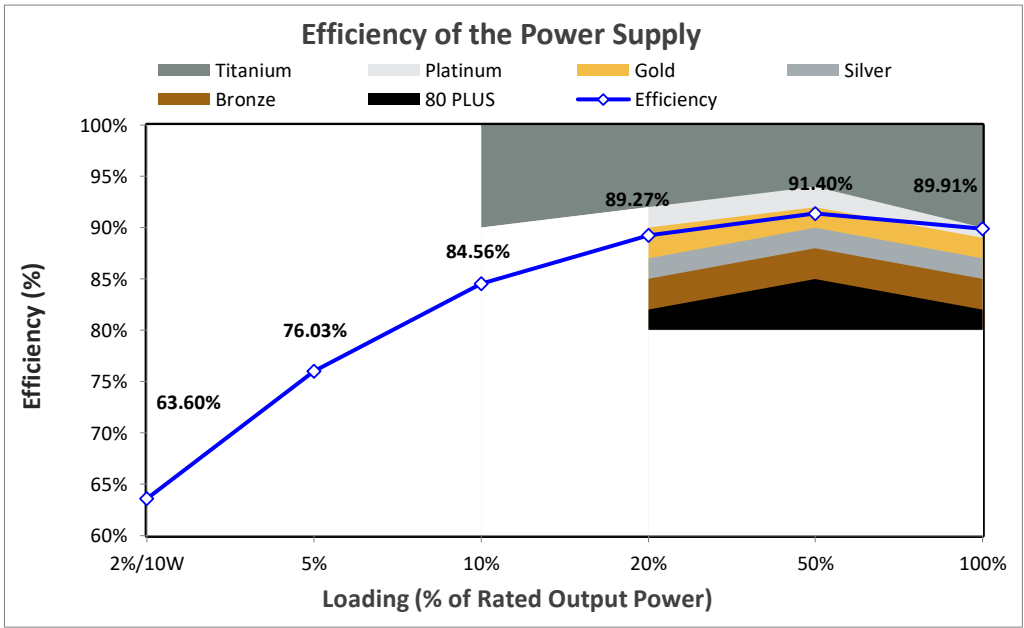
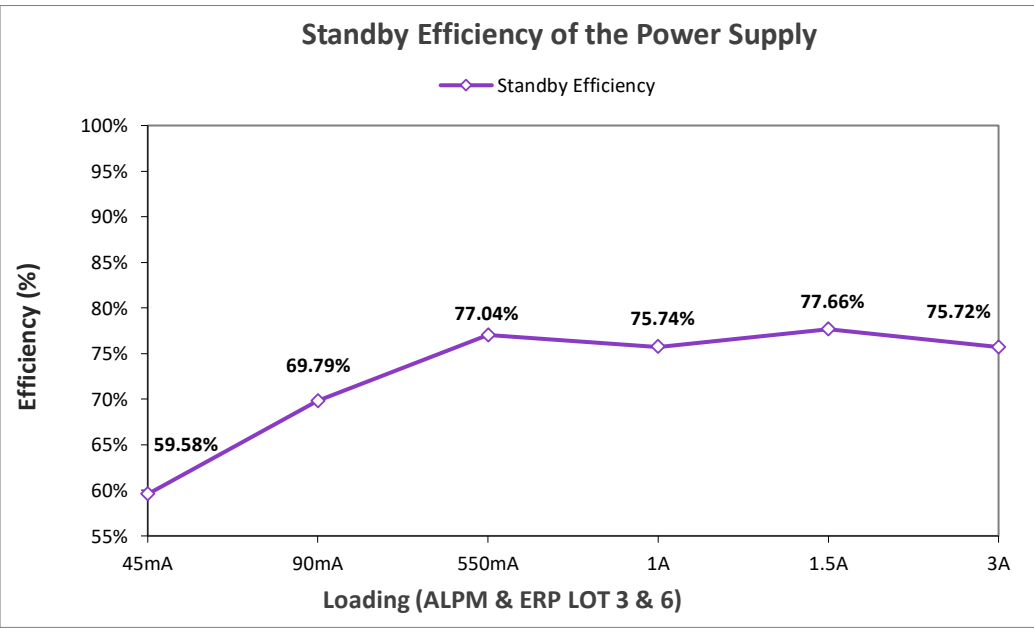
Input AC Current Waveform (ITHD = 8.07%, 50% Load)

I <sub>RMS</sub> (A)	PF	I <sub>THD</sub> (%)	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		
0.100	0.4623	25.85	0%	5.30	No-Load						
0.193	0.7234	27.04	2%/10W	16.02	12.048/0.552	0.000/0.000	3.301/0.150	5.105/0.500	5.181/0.100	10.19	63.60%
0.256	0.8998	32.21	5%	26.47	12.048/1.310	11.612/0.012	3.300/0.396	5.105/0.452	5.181/0.119	20.13	76.03%
0.435	0.9521	24.39	10%	47.59	12.045/2.618	11.591/0.024	3.298/0.791	5.103/0.904	5.172/0.238	40.24	84.56%
0.799	0.9799	17.31	20%	90.08	12.039/5.233	11.577/0.048	3.295/1.581	5.098/1.807	5.158/0.476	80.42	89.27%
1.918	0.9944	8.07	50%	219.40	12.011/13.083	11.573/0.119	3.280/3.956	5.078/4.520	5.127/1.189	200.52	91.40%
3.866	0.9989	4.18	100%	444.01	11.963/26.164	11.647/0.238	3.258/7.913	5.040/9.043	5.062/2.378	399.19	89.91%

Note: Efficiency data was obtained from Sample 1 (Serial Number: 9PA400NE00 S4471030223)

I <sub>RMS</sub> (A)	PF	I <sub>THD</sub> (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Standby Efficiency
					5VSB	Vampire Load		
0.047	0.0219	6.79	0mA	0.12		5.177/0.045	0.23	59.58%
0.048	0.0708	20.46	45mA	0.39		5.176/0.090	0.47	69.79%
0.050	0.1166	31.99	90mA	0.67		5.172/0.550	2.85	77.04%
0.089	0.3612	77.30	550mA	3.69		5.167/1.000	5.17	75.74%
0.138	0.4298	83.76	1A	6.82		5.163/1.500	7.75	77.66%
0.188	0.4584	85.27	1.5A	9.97		5.150/3.003	15.46	75.72%
0.355	0.4951	85.67	3A	20.42				

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: 9PA400NE00 S4471030225)



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. <https://www.cleareresult.com/80plus/> [cleareresult.com]