80 PLUS Verification and Testing Report

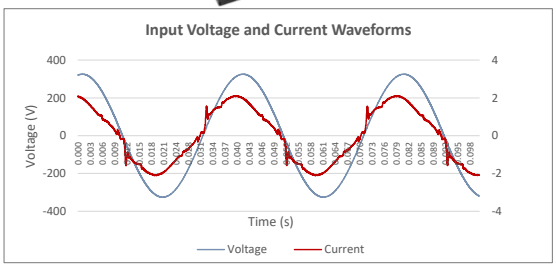
TYPICAL EFFICIENCY (50% Load):	87.36%
AVERAGE EFFICIENCY :	77.45%
AVERAGE STANDBY EFFICIENCY :	63.62%
80 PLUS COMPLIANT:	Standard



ID Number	EU-1259
Manufacturer	FSP Technology Inc.
Model Number	VIC-550WD
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V
Test Date	10/6/25

Rated	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



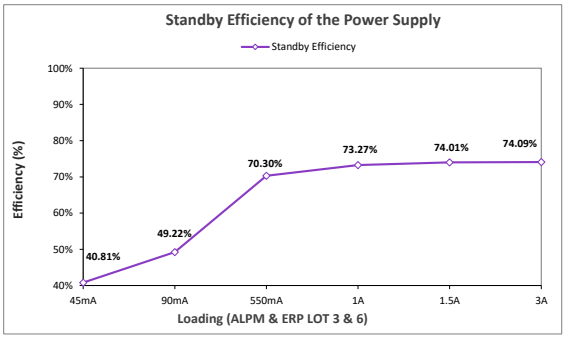
Input AC Current Waveform (ITHD = 11.17%, 50% Load)

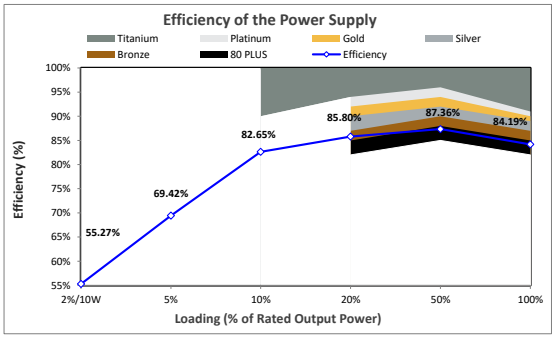
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.152	0.1211	25.69	0%	4.23	No-Load						
0.285	**0.3044**	34.05	2%/10W	20.00	12.014/0.768	11.212/0.006	3.420/0.176	5.122/0.176	5.094/0.055	11.06	**55.27%**
0.290	**0.5968**	48.36	5%	39.82	12.018/1.918	11.246/0.014	3.418/0.440	5.117/0.440	5.088/0.137	27.64	**69.42%**
0.437	**0.6668**	58.25	10%	66.99	12.041/3.836	11.293/0.027	3.415/0.880	5.103/0.880	5.078/0.274	55.36	**82.65%**
0.654	**0.8576**	25.74	20%	129.08	12.054/7.670	11.330/0.055	3.410/1.758	5.088/1.757	5.059/0.548	110.75	**85.80%**
1.430	**0.9637**	11.17	50%	316.91	12.066/19.171	11.418/0.137	3.392/4.397	5.061/4.397	4.999/1.369	276.85	**87.36%**
2.908	**0.9831**	9.34	100%	657.62	12.091/38.338	11.593/0.274	3.359/8.796	5.008/8.796	4.893/2.738	553.65	**84.19%**

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		
0.120	0.0122	2.50	0mA	0.29	Vampire Load		
0.121	**0.0185**	6.10	45mA	0.56	5.112/0.045	0.23	**40.81%**
0.121	**0.0276**	9.24	90mA	0.93	5.109/0.090	0.46	**49.22%**
0.131	**0.1330**	38.03	550mA	3.98	5.083/0.550	2.80	**70.30%**
0.147	**0.2052**	54.05	1A	6.90	5.054/1.000	5.05	**73.27%**
0.170	**0.2601**	66.27	1.5A	10.18	5.023/1.500	7.53	**74.01%**
0.251	**0.3469**	81.08	3A	19.92	4.920/3.000	14.76	**74.09%**

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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