80 PLUS Verification and Testing Report

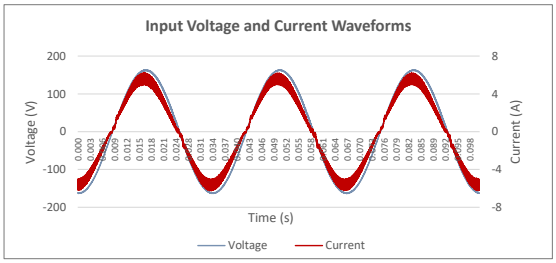
TYPICAL EFFICIENCY (50% Load):	88.25%
AVERAGE EFFICIENCY :	79.33%
AVERAGE STANDBY EFFICIENCY :	73.79%
80 PLUS COMPLIANT:	Bronze



ID Number	7862
Manufacturer	Rosewill
Model Number	VSB750
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	6/11/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	9-4.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	750	Watts

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



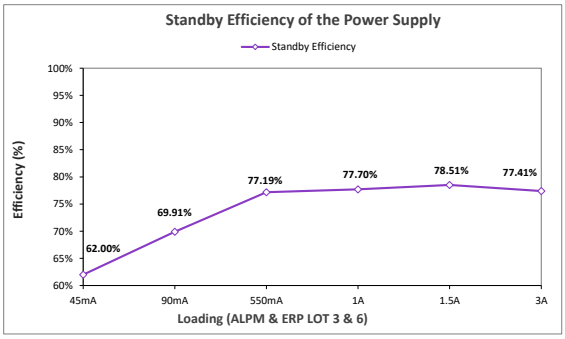
Input AC Current Waveform (ITHD = 4.52%, 50% Load)

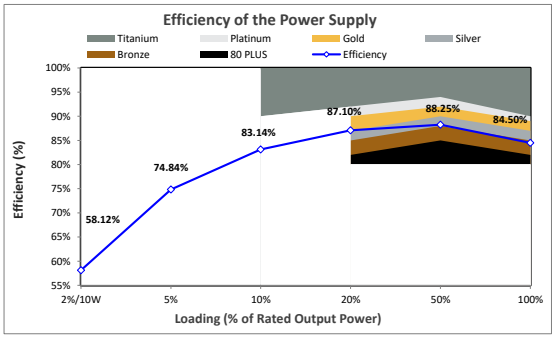
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.128	0.4692	39.64	0%	6.93	No-Load						
0.281	**0.8277**	19.27	2%/10W	26.78	12.485/1.081	12.232/0.005	3.379/0.208	5.081/0.208	5.135/0.052	15.56	58.12%
0.487	**0.9288**	12.44	5%	51.98	12.482/2.700	12.264/0.013	3.376/0.520	5.078/0.520	5.131/0.130	38.90	74.84%
0.844	**0.9638**	9.15	10%	93.54	12.479/5.397	12.293/0.026	3.375/1.041	5.076/1.040	5.125/0.259	77.77	83.14%
1.577	**0.9841**	6.62	20%	178.45	12.472/10.792	12.337/0.052	3.368/2.081	5.069/2.080	5.112/0.518	155.43	87.10%
3.844	**0.9942**	4.52	50%	439.52	12.452/26.982	12.460/0.130	3.346/5.202	5.051/5.202	5.072/1.295	387.88	88.25%
7.984	**0.9964**	4.10	100%	914.77	12.415/53.960	12.623/0.259	3.311/10.403	5.020/10.403	4.999/2.590	772.95	84.50%

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		
0.064	0.0118	15.48	0mA	0.09	Vampire Load		
0.068	**0.0479**	21.56	45mA	0.37	5.134/0.045	0.23	62.00%
0.073	**0.0783**	30.91	90mA	0.66	5.133/0.090	0.46	69.91%
0.113	**0.2814**	75.74	550mA	3.65	5.124/0.550	2.82	77.19%
0.163	**0.3505**	84.07	1A	6.58	5.116/1.000	5.11	77.70%
0.219	**0.3872**	86.25	1.5A	9.75	5.106/1.500	7.66	78.51%
0.392	**0.4367**	86.85	3A	19.67	5.074/3.001	15.23	77.41%

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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