80 PLUS Verification and Testing Report

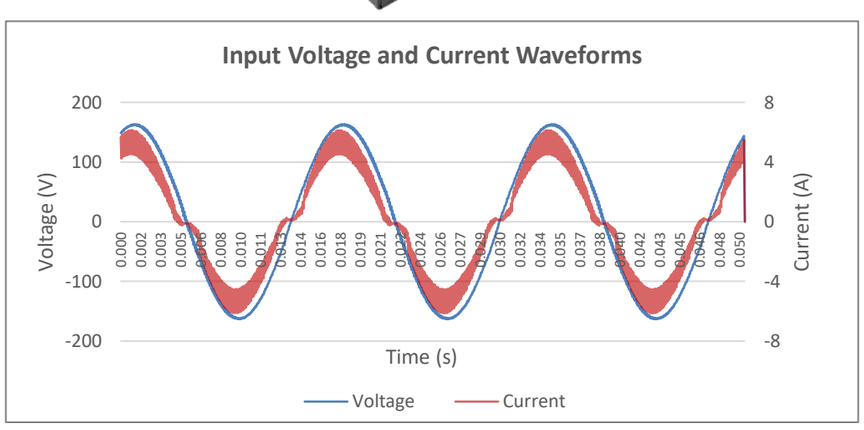
TYPICAL EFFICIENCY (50% Load):	**93.32%**
AVERAGE EFFICIENCY :	**87.50%**
AVERAGE STANDBY EFFICIENCY :	**69.01%**
80 PLUS COMPLIANT:	**Platinum**



ID Number	7824
Manufacturer	Dongguan Golden Field Industrial Co., Ltd
Model Number	SFX-750W
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	5/13/25

Rated	Value	Units
Input Voltage	100-240	**Volts**
Input Current	10	**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.



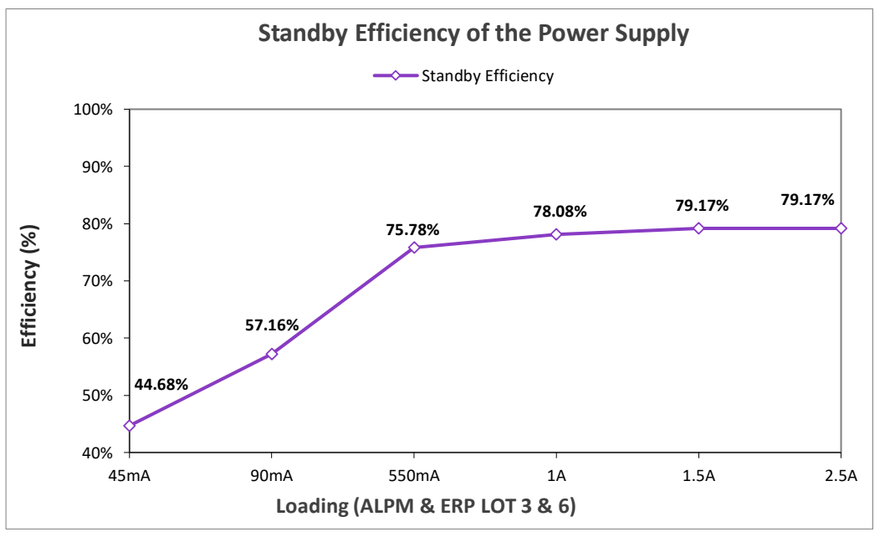
Input AC Current Waveform (ITHD = 12.16%, 50% Load)

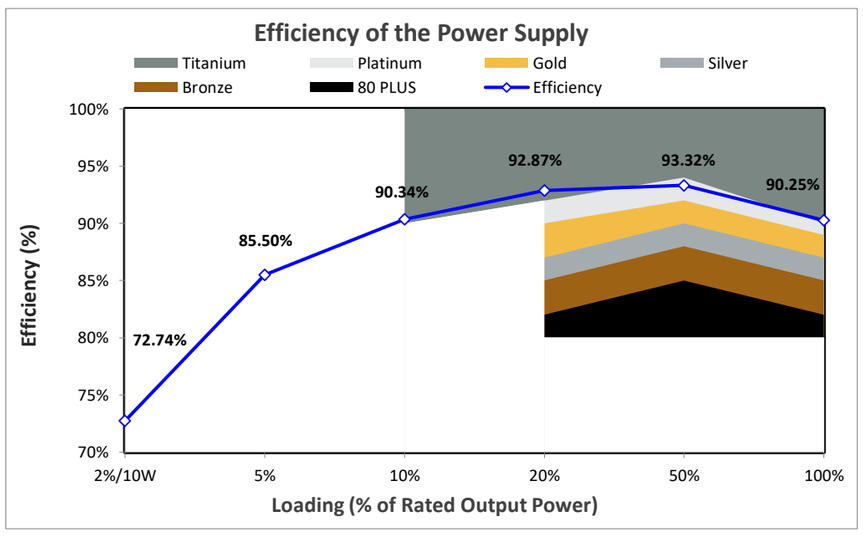
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.130	0.3451	30.32	0%	**5.15**	**No-Load**						
0.264	**0.6921**	21.13	2%/10W	**20.99**	12.230/1.082	12.039/0.007	3.363/0.210	5.003/0.210	5.079/0.044	**15.27**	**72.74%**
0.462	**0.8403**	13.26	5%	**44.64**	12.229/2.702	12.038/0.017	3.362/0.525	5.001/0.524	5.077/0.109	**38.16**	**85.50%**
0.799	**0.9188**	10.57	10%	**84.48**	12.230/5.402	12.037/0.035	3.362/1.047	5.002/1.047	5.074/0.218	**76.32**	**90.34%**
1.477	**0.9679**	8.56	20%	**164.38**	12.230/10.800	12.040/0.070	3.363/2.096	5.004/2.096	5.068/0.436	**152.65**	**92.87%**
3.619	**0.9830**	12.16	50%	**409.02**	12.232/26.998	12.044/0.174	3.365/5.243	5.008/5.244	5.050/1.089	**381.72**	**93.32%**
7.417	**0.9914**	5.69	100%	**845.57**	12.227/53.990	12.053/0.348	3.368/10.487	5.014/10.489	5.015/2.176	**763.13**	**90.25%**

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		
0.089	0.0213	7.41	0mA	**0.22**	**Vampire Load**		
0.112	**0.0396**	15.63	45mA	**0.51**	5.068/0.045	**0.23**	**44.68%**
0.132	**0.0526**	23.91	90mA	**0.80**	5.067/0.090	**0.46**	**57.16%**
0.157	**0.2039**	65.91	550mA	**3.67**	5.057/0.550	**2.78**	**75.78%**
0.205	**0.2739**	79.09	1A	**6.46**	5.047/1.000	**5.05**	**78.08%**
0.269	**0.3088**	84.20	1.5A	**9.54**	5.035/1.500	**7.55**	**79.17%**
0.452	**0.3044**	87.50	2.5A	**15.83**	5.007/2.503	**12.53**	**79.17%**

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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