

## 80 PLUS Verification and Testing Report

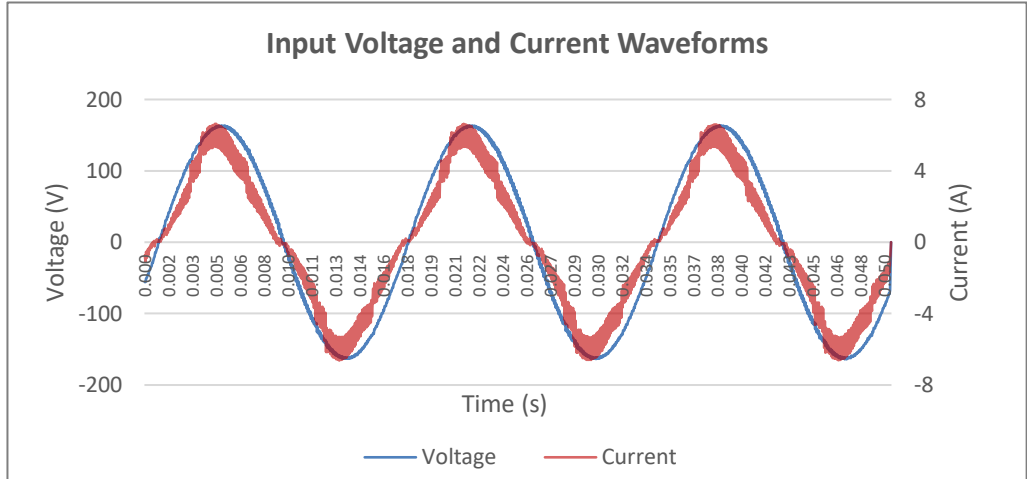
TYPICAL EFFICIENCY (50% Load):	90.91%
AVERAGE EFFICIENCY :	80.59%
AVERAGE STANDBY EFFICIENCY :	71.41%
80 PLUS COMPLIANT:	Gold



ID Number	7795
Manufacturer	GuangHai
Model Number	GH398-750W
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V
Test Date	4/10/25

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.



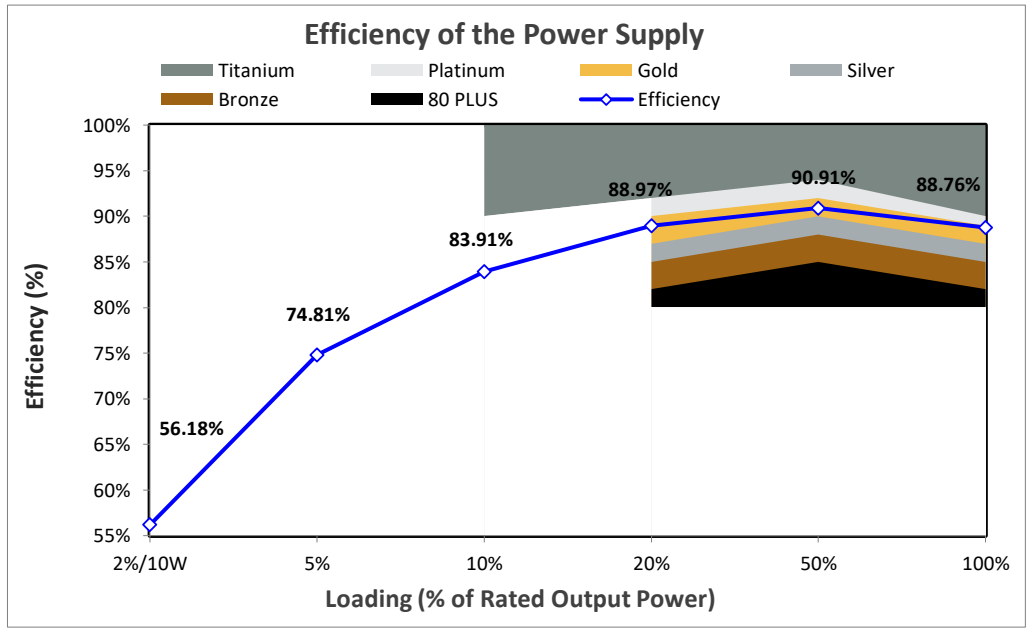
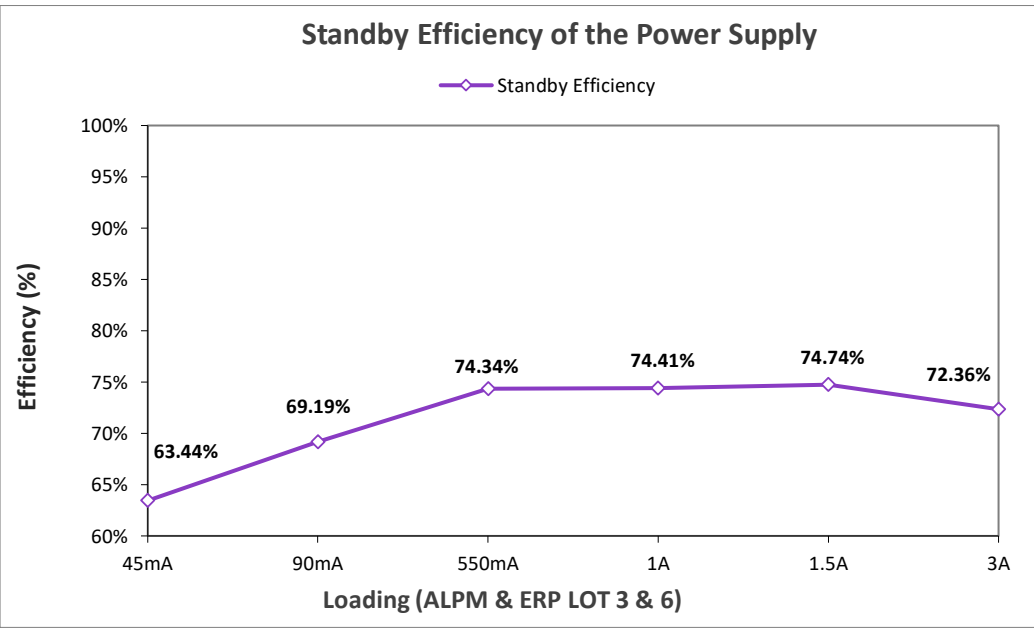
Input AC Current Waveform (ITHD = 16.35%, 50% Load)

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		
0.160	0.6063	36.08	0%	11.19	No-Load						
0.280	0.8359	21.57	2%/10W	26.95	12.101/1.082	12.283/0.005	3.348/0.208	5.045/0.208	5.107/0.052	15.14	56.18%
0.477	0.9213	17.62	5%	50.58	12.102/2.701	12.157/0.013	3.346/0.520	5.043/0.520	5.103/0.130	37.84	74.81%
0.820	0.9563	15.63	10%	90.16	12.104/5.399	12.071/0.026	3.338/1.038	5.031/1.039	5.096/0.259	75.65	83.91%
1.525	0.9694	16.14	20%	170.12	12.109/10.796	11.978/0.052	3.336/2.079	5.027/2.079	5.083/0.518	151.35	88.97%
3.695	0.9799	16.35	50%	416.57	12.122/26.987	12.041/0.130	3.338/5.200	5.028/5.200	5.042/1.296	378.71	90.91%
7.567	0.9821	16.38	100%	854.39	12.142/53.968	12.366/0.259	3.341/10.400	5.029/10.401	4.972/2.590	758.33	88.76%

Note: Efficiency data was obtained from Sample 1 (Serial Number: N/A)

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			
0.052	0.0104	3.14	0mA	0.06	Vampire Load			
0.053	0.0598	18.17	45mA	0.36	5.132/0.045		0.23	63.44%
0.056	0.1041	30.22	90mA	0.67	5.130/0.090		0.46	69.19%
0.095	0.3469	75.84	550mA	3.79	5.116/0.550		2.81	74.34%
0.144	0.4130	83.35	1A	6.86	5.102/1.000		5.10	74.41%
0.199	0.4432	85.35	1.5A	10.21	5.086/1.500		7.63	74.74%
0.371	0.4811	86.45	3A	20.90	5.035/3.003		15.12	72.36%

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