

80 PLUS Verification and Testing Report

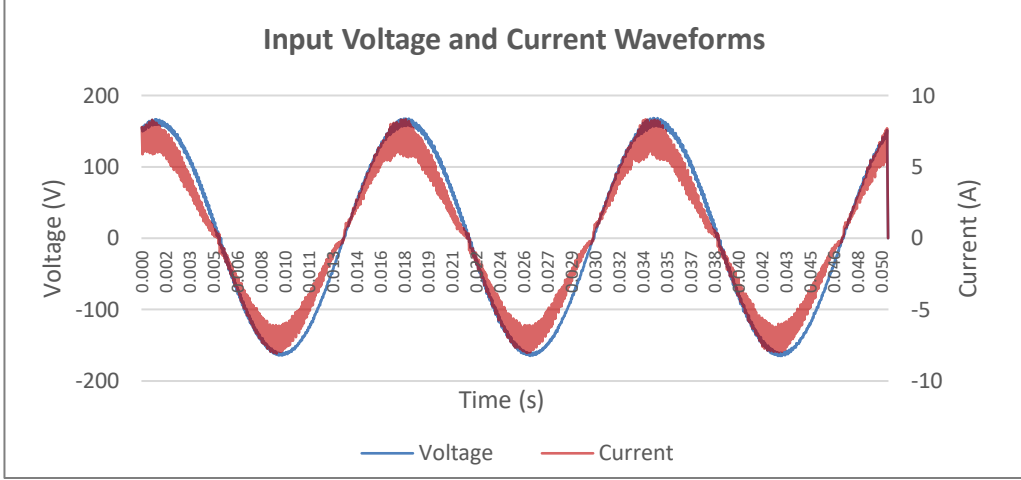
TYPICAL EFFICIENCY (50% Load):	92.50%
AVERAGE EFFICIENCY :	87.22%
AVERAGE STANDBY EFFICIENCY :	75.05%
80 PLUS COMPLIANT:	Platinum



ID Number	7771.1
Manufacturer	Enermax Technology Corporation
Model Number	ERV1000P-AHP
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V,EPS12V
Test Date	3/26/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	15-8	Amps
Input Frequency	50-60	Hz
Rated Output Power	1000	Watts

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



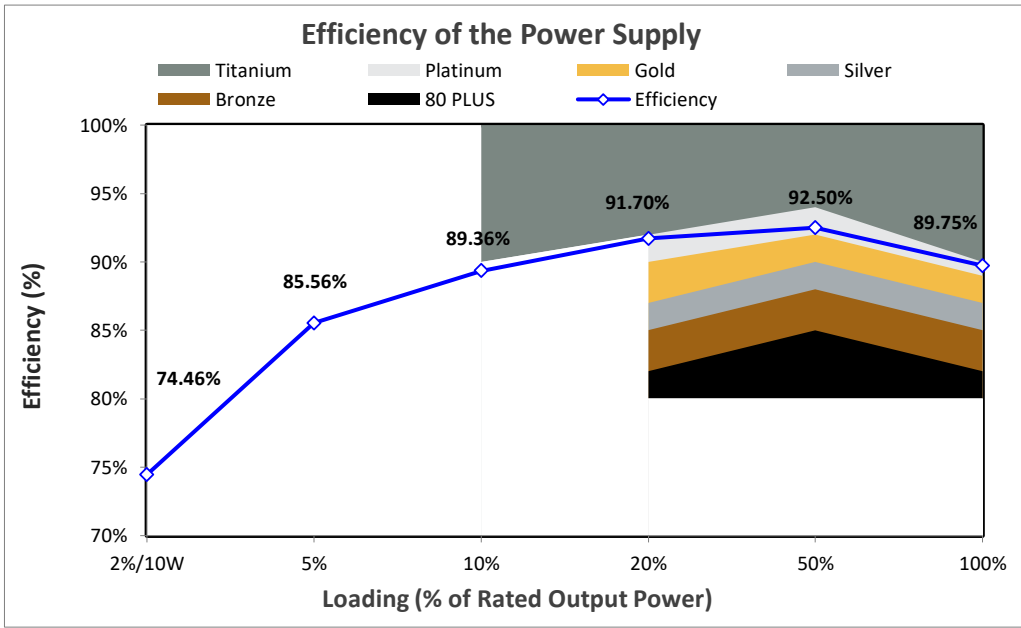
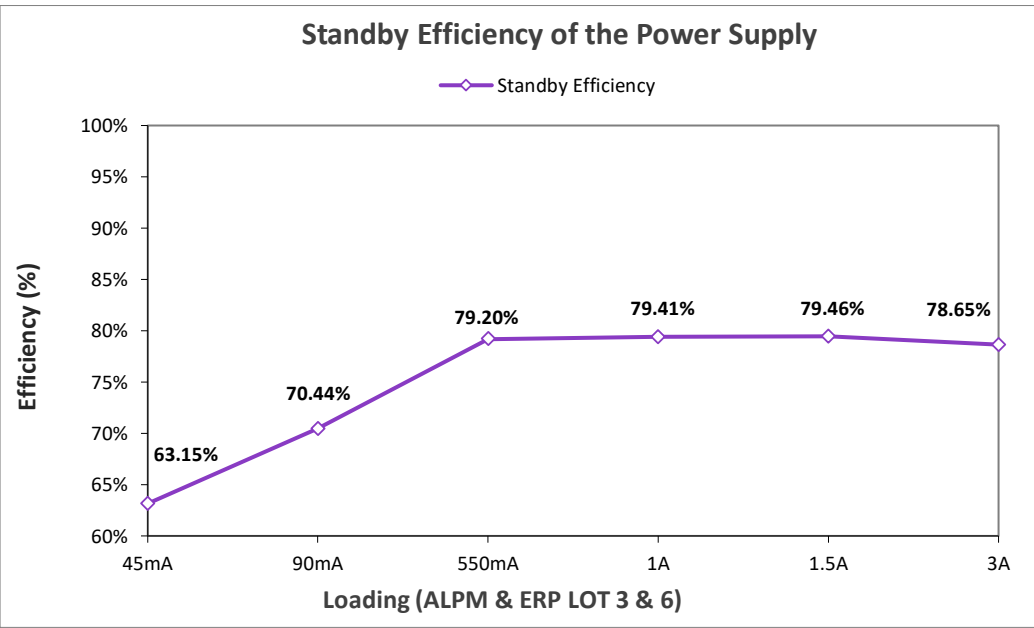
Input AC Current Waveform (ITHD = 5.92%, 50% Load)

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		
0.147	0.3333	29.33	0%	5.65	No-Load						
0.346	0.6805	15.78	2%/10W	27.10	12.091/1.490	12.593/0.007	3.367/0.215	5.067/0.215	5.111/0.054	20.18	74.46%
0.622	0.8243	13.04	5%	58.96	12.092/3.723	12.579/0.018	3.364/0.538	5.065/0.538	5.108/0.134	50.44	85.56%
1.066	0.9207	5.79	10%	112.84	12.088/7.444	12.527/0.036	3.361/1.074	5.063/1.074	5.102/0.268	100.83	89.36%
1.967	0.9716	5.33	20%	219.76	12.081/14.886	12.457/0.071	3.353/2.151	5.056/2.150	5.091/0.536	201.52	91.70%
4.777	0.9902	5.92	50%	543.85	12.071/37.210	12.284/0.179	3.326/5.379	5.034/5.379	5.056/1.340	503.07	92.50%
9.816	0.9913	7.43	100%	1119.22	12.066/74.416	12.044/0.357	3.279/10.759	4.996/10.760	4.996/2.680	1004.50	89.75%

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			
0.102	0.0056	2.62	0mA	0.07	Vampire Load			
0.117	0.0271	10.30	45mA	0.36	5.107/0.045		0.23	63.15%
0.138	0.0411	17.81	90mA	0.65	5.107/0.090		0.46	70.44%
0.160	0.1923	58.80	550mA	3.55	5.103/0.550		2.81	79.20%
0.191	0.2908	73.14	1A	6.43	5.101/1.000		5.10	79.41%
0.248	0.3338	79.40	1.5A	9.63	5.098/1.500		7.65	79.46%
0.440	0.3742	83.84	3A	19.42	5.087/3.003		15.27	78.65%

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/> [\[clearesult.com\]](https://www.clearesult.com/)