

80 PLUS Verification and Testing Report

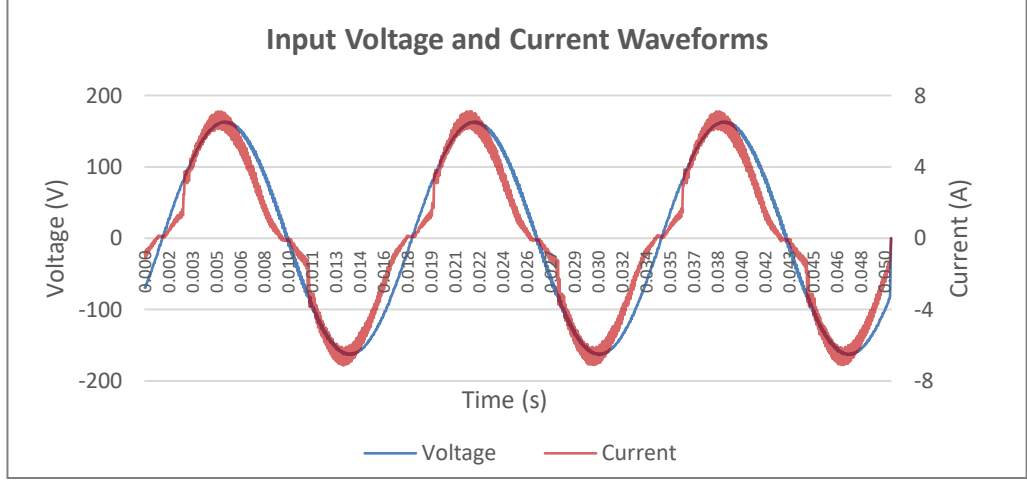
TYPICAL EFFICIENCY (50% Load):	90.79%
AVERAGE EFFICIENCY :	85.40%
AVERAGE STANDBY EFFICIENCY :	76.79%
80 PLUS COMPLIANT:	Gold



ID Number	7694
Manufacturer	Ocypus
Model Number	P850-GF
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	1/3/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



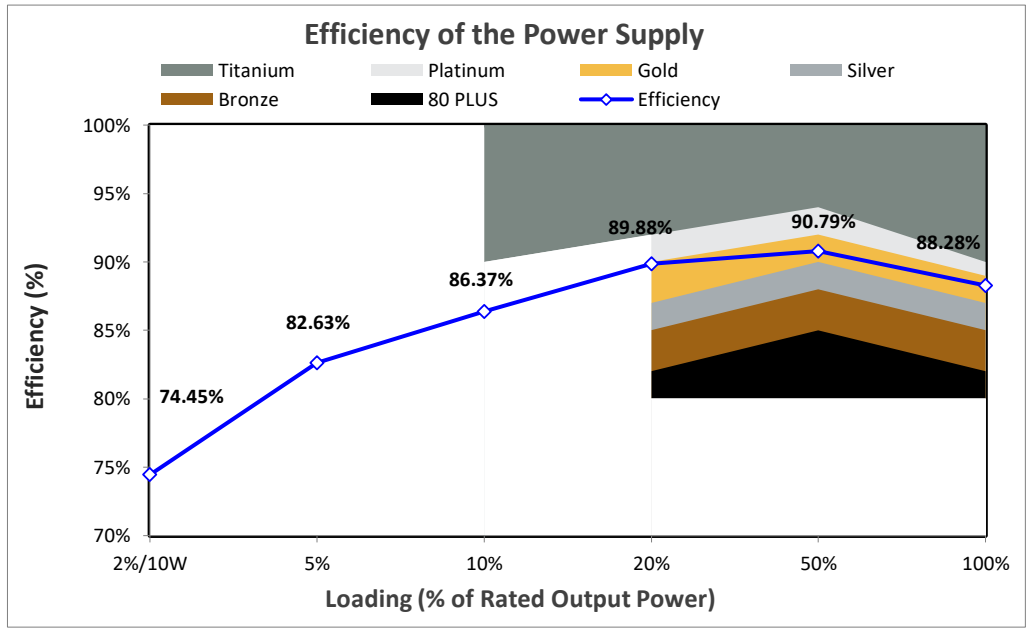
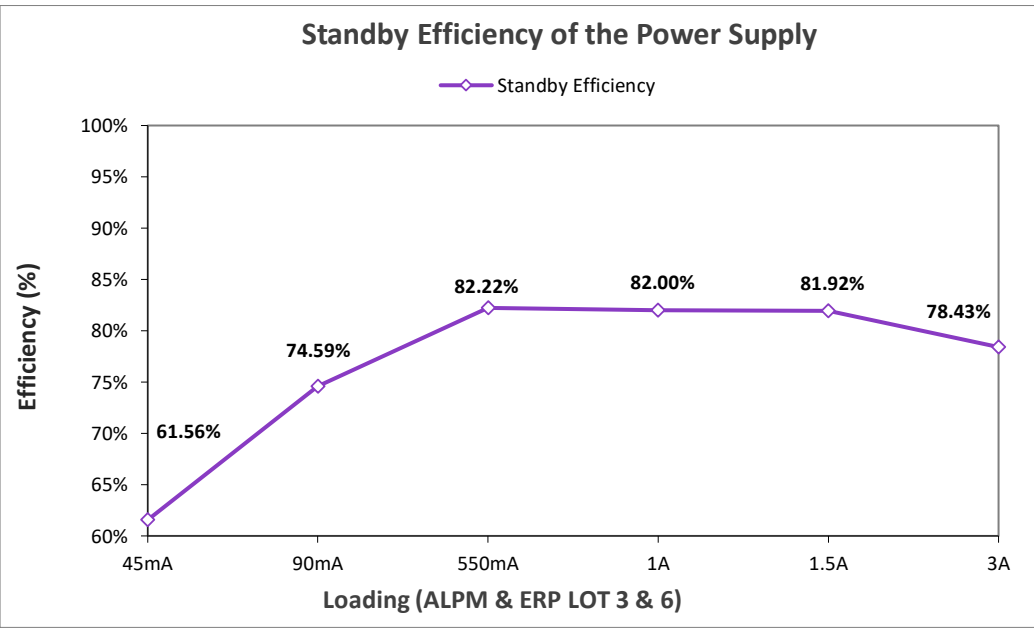
Input AC Current Waveform (ITHD = 18.25%, 50% Load)

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		
0.086	0.3325	28.08	0%	3.30	No-Load						
0.232	0.8629	25.01	2%/10W	23.03	12.087/1.245	11.980/0.005	3.349/0.212	5.056/0.211	5.115/0.053	17.14	74.45%
0.487	0.9248	27.90	5%	51.82	12.078/3.110	12.001/0.013	3.350/0.529	5.054/0.529	5.100/0.132	42.82	82.63%
0.904	0.9543	23.50	10%	99.17	12.080/6.219	12.032/0.026	3.353/1.058	5.057/1.057	5.076/0.263	85.65	86.37%
1.711	0.9691	20.69	20%	190.73	12.093/12.434	12.093/0.053	3.359/2.116	5.061/2.115	5.031/0.527	171.43	89.88%
4.195	0.9773	18.25	50%	471.74	12.084/31.082	12.277/0.132	3.395/5.289	5.063/5.289	4.911/1.317	428.30	90.79%
8.569	0.9864	14.05	100%	972.58	12.130/62.159	12.525/0.263	3.326/10.577	5.072/10.577	4.820/2.633	858.59	88.28%

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			
0.065	0.0091	2.75	0mA	0.07	Vampire Load			
0.066	0.0494	14.76	45mA	0.37	5.108/0.045		0.23	61.56%
0.068	0.0793	22.62	90mA	0.62	5.105/0.090		0.46	74.59%
0.097	0.3049	67.19	550mA	3.40	5.082/0.550		2.80	82.22%
0.138	0.3898	78.75	1A	6.17	5.059/1.000		5.06	82.00%
0.187	0.4294	83.13	1.5A	9.22	5.033/1.500		7.55	81.92%
0.336	0.4905	84.64	3A	18.96	4.952/3.003		14.87	78.43%

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]