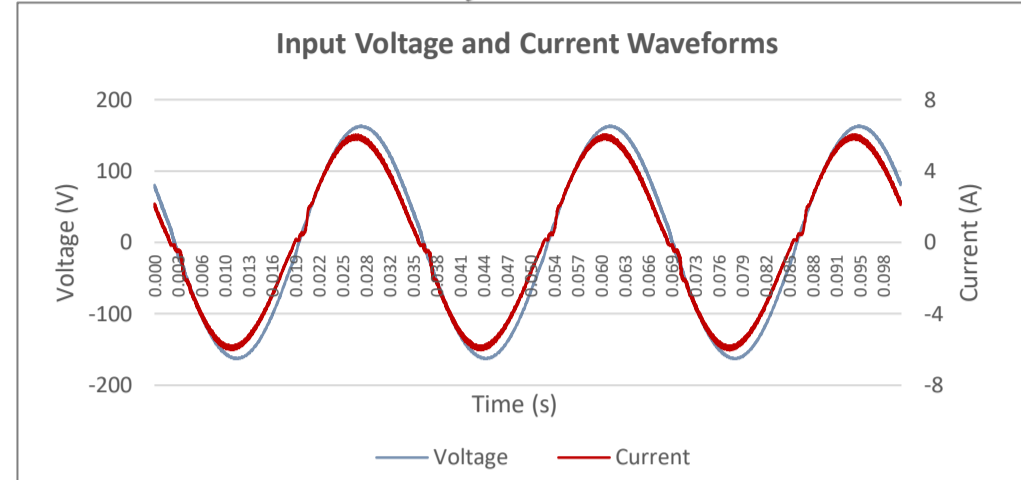


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	91.80%
AVERAGE EFFICIENCY :	86.31%
AVERAGE STANDBY EFFICIENCY :	77.97%
80 PLUS COMPLIANT:	Gold



ID Number	7970.1
Manufacturer	Jingsi Shenzhen Technology Co., Ltd.
Model Number	ES-850W
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V, ATX 3.1, EPS12V
Test Date	9/12/25



Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

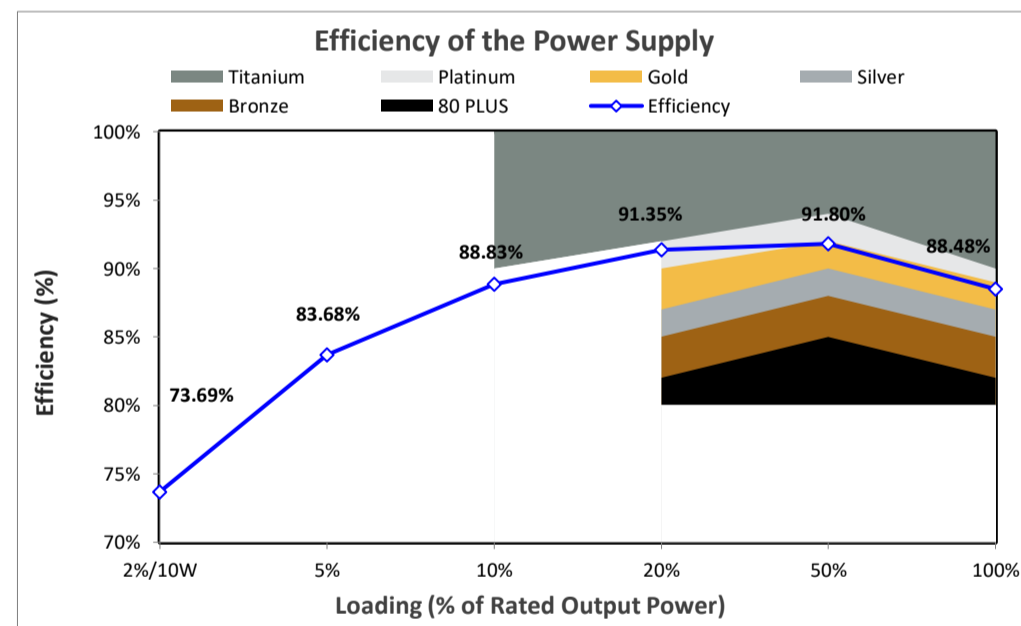
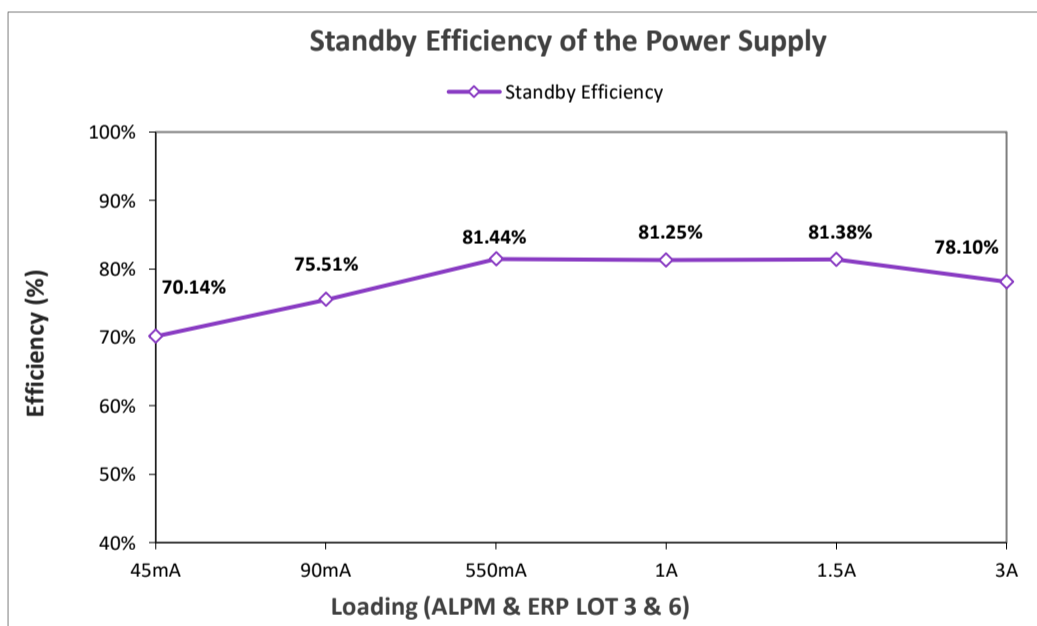
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.

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		
0.119	0.3139	32.19	0%	4.29	No-Load						
0.255	0.7933	21.63	2%/10W	23.28	12.110/1.242	11.972/0.005	3.322/0.214	5.030/0.213	5.127/0.053	17.16	73.69%
0.479	0.9298	15.12	5%	51.25	12.107/3.105	11.962/0.013	3.323/0.534	5.030/0.534	5.124/0.133	42.88	83.68%
0.863	0.9725	12.29	10%	96.49	12.102/6.208	11.955/0.027	3.325/1.066	5.031/1.067	5.119/0.266	85.72	88.83%
1.660	0.9822	10.07	20%	187.52	12.091/12.415	11.937/0.053	3.326/2.134	5.029/2.135	5.108/0.532	171.30	91.35%
4.074	0.9937	5.10	50%	465.51	12.063/31.036	11.891/0.133	3.333/5.339	5.029/5.340	5.075/1.330	427.36	91.80%
8.407	0.9958	5.79	100%	962.67	12.019/62.067	11.809/0.266	3.345/10.679	5.024/10.680	5.021/2.660	851.81	88.48%

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	Vampire Load		
0.084	0.0041	2.45	0mA	0.04				
0.085	0.0338	10.43	45mA	0.33	5.132/0.045		0.23	70.14%
0.085	0.0622	17.76	90mA	0.61	5.131/0.090		0.46	75.51%
0.110	0.2747	58.69	550mA	3.46	5.121/0.550		2.82	81.44%
0.145	0.3776	72.70	1A	6.29	5.112/1.000		5.11	81.25%
0.191	0.4274	79.51	1.5A	9.40	5.101/1.500		7.65	81.38%
0.344	0.4915	83.88	3A	19.48	5.067/3.002		15.21	78.10%

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.clearexult.com/80plus/> [clearexult.com]