

80 PLUS Verification and Testing Report

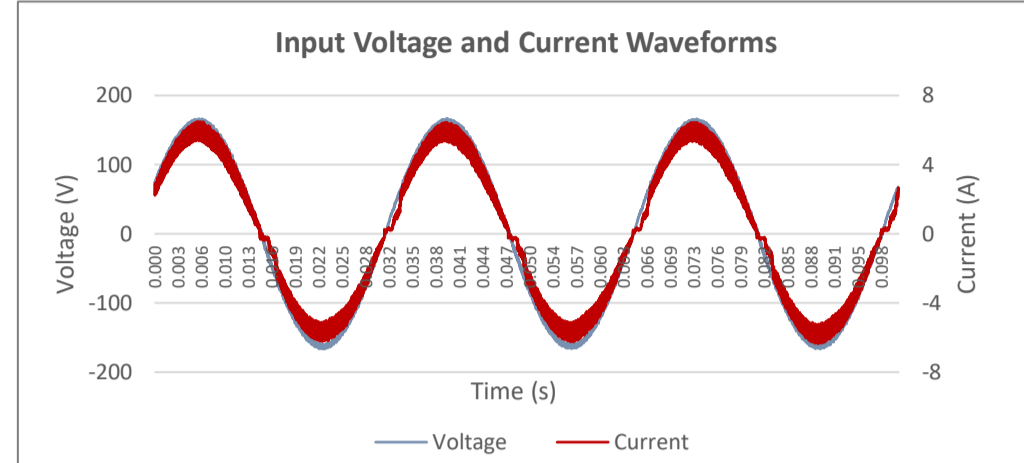


TYPICAL EFFICIENCY (50% Load):	91.75%
AVERAGE EFFICIENCY :	88.45%
AVERAGE STANDBY EFFICIENCY :	77.76%
80 PLUS COMPLIANT:	Gold

ID Number	7884.1
Manufacturer	SOLARMAX
Model Number	KC-CFA-850-80PG
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V
Test Date	6/27/25

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.

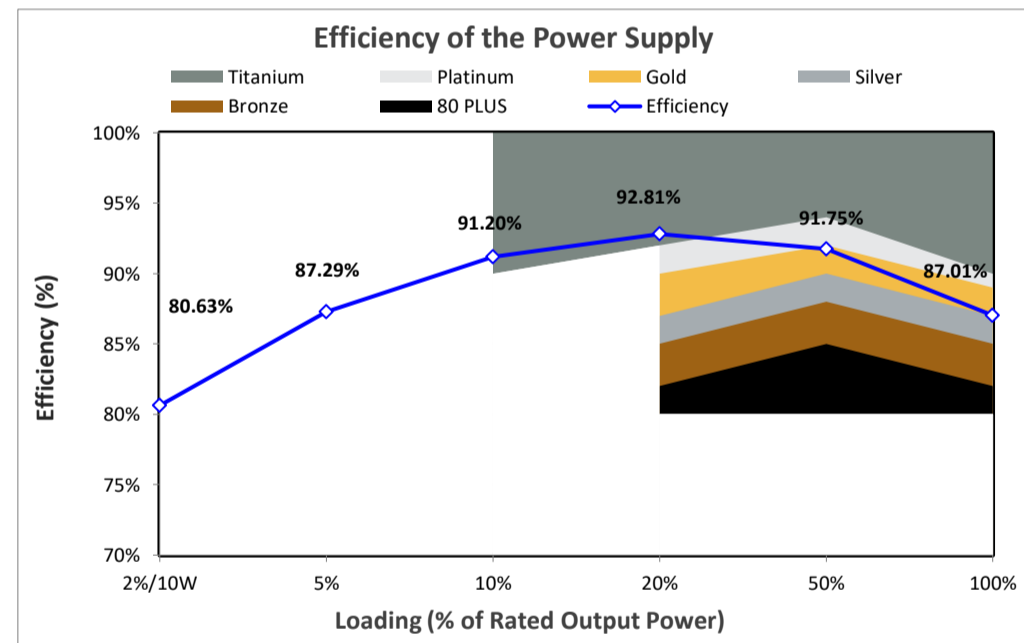
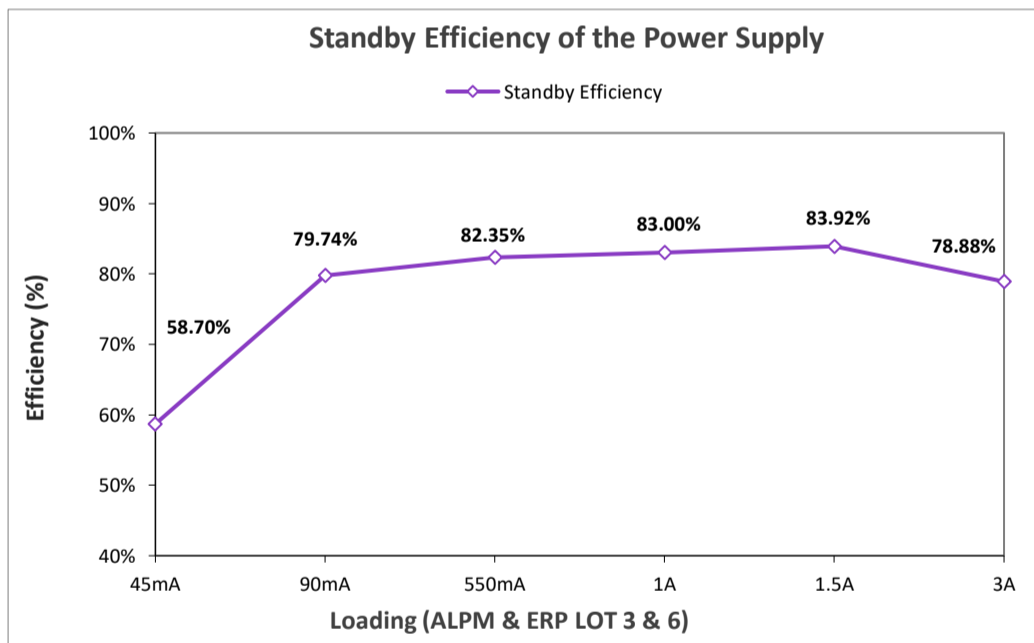


I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)				Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)					
0.091	0.1782	25.04	0%	1.95	No-Load					
0.217	0.8486	36.57	2%/10W	21.12	12.002/1.238	3.314/0.231	5.082/0.231	5.134/0.052	17.03	80.63%
0.449	0.9434	26.59	5%	48.77	12.000/3.090	3.312/0.578	5.082/0.577	5.132/0.131	42.57	87.29%
0.837	0.9694	21.11	10%	93.34	11.998/6.178	3.309/1.153	5.082/1.153	5.129/0.262	85.12	91.20%
1.615	0.9871	14.88	20%	183.35	11.993/12.353	3.301/2.309	5.081/2.308	5.124/0.523	170.16	92.81%
4.041	0.9966	7.23	50%	463.04	11.981/30.880	3.274/5.775	5.071/5.775	5.107/1.308	424.82	91.75%
8.507	0.9975	4.07	100%	975.86	11.986/61.751	3.218/11.550	5.066/11.552	5.094/2.615	849.11	87.01%

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			
0.060	0.0117	12.45	0mA	0.08	Vampire Load			
0.064	0.0536	36.85	45mA	0.40	5.158/0.045		0.23	58.70%
0.074	0.0681	58.62	90mA	0.58	5.153/0.090		0.46	79.74%
0.114	0.2630	80.58	550mA	3.44	5.142/0.550		2.83	82.35%
0.165	0.3261	86.54	1A	6.18	5.141/1.000		5.13	83.00%
0.231	0.3437	88.70	1.5A	9.15	5.134/1.500		7.68	83.92%
0.377	0.4440	87.24	3A	19.26	5.060/3.003		15.19	78.88%

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/> <https://www.clearexult.com/>