80 PLUS Verification and Testing Report

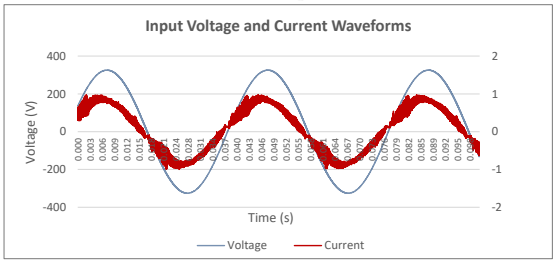


TYPICAL EFFICIENCY (50% Load):	94.39%
AVERAGE EFFICIENCY :	87.14%
AVERAGE STANDBY EFFICIENCY :	73.57%
80 PLUS COMPLIANT:	Gold

ID Number	EU-1284
Manufacturer	LCO
Model Number	LT-250G
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	TFX
Test Date	12/9/25

Rated	Value	Units
Input Voltage	230	Volts
Input Current	3	Amps
Input Frequency	50	Hz
Rated Output Power	250	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



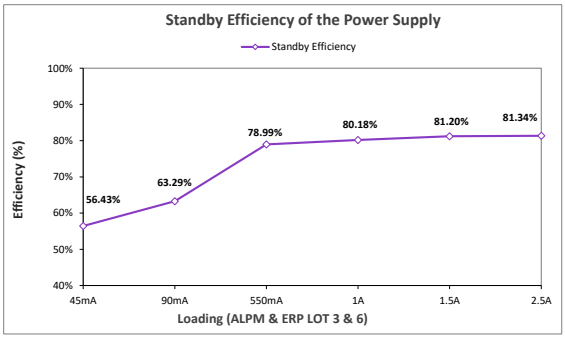
Input AC Current Waveform (ITHD = 10.47%, 50% Load)

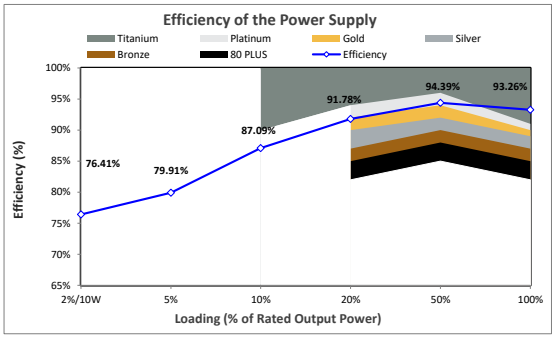
I_{RMS} (A)	PF	I_{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.094	0.1115	18.18	0%	2.41	No-Load						
0.136	**0.4289**	23.66	2%/10W	13.39	12.093/0.552	0.000/0.000	3.406/0.150	5.110/0.500	5.112/0.100	10.23	76.41%
0.142	**0.4840**	22.41	5%	15.83	12.092/0.798	11.772/0.012	3.407/0.280	5.111/0.280	5.112/0.097	12.65	79.91%
0.179	**0.7039**	18.81	10%	29.03	12.089/1.593	11.594/0.023	3.408/0.561	5.113/0.561	5.114/0.194	25.28	87.09%
0.273	**0.8757**	17.21	20%	55.07	12.084/3.184	11.684/0.047	3.410/1.121	5.118/1.120	5.117/0.388	50.54	91.78%
0.598	**0.9730**	10.47	50%	133.87	12.064/7.959	11.695/0.116	3.418/2.804	5.147/2.803	5.143/0.970	126.36	94.39%
1.183	**0.9937**	7.13	100%	270.39	12.032/15.915	11.829/0.233	3.426/5.609	5.136/5.609	5.126/1.940	252.16	93.26%

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		
0.089	0.0054	2.34	0mA	0.12	Vampire Load		
0.092	**0.0196**	7.31	45mA	0.40	5.026/0.045	0.23	56.43%
0.093	**0.0319**	11.55	90mA	0.71	5.025/0.090	0.45	63.29%
0.100	**0.1533**	42.25	550mA	3.49	5.011/0.550	2.76	78.99%
0.115	**0.2382**	60.25	1A	6.23	4.998/1.000	5.00	80.18%
0.136	**0.2982**	70.76	1.5A	9.21	4.983/1.500	7.48	81.20%
0.182	**0.3559**	81.06	2.5A	15.22	4.952/2.500	12.38	81.34%

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.
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