80 PLUS Verification and Testing Report

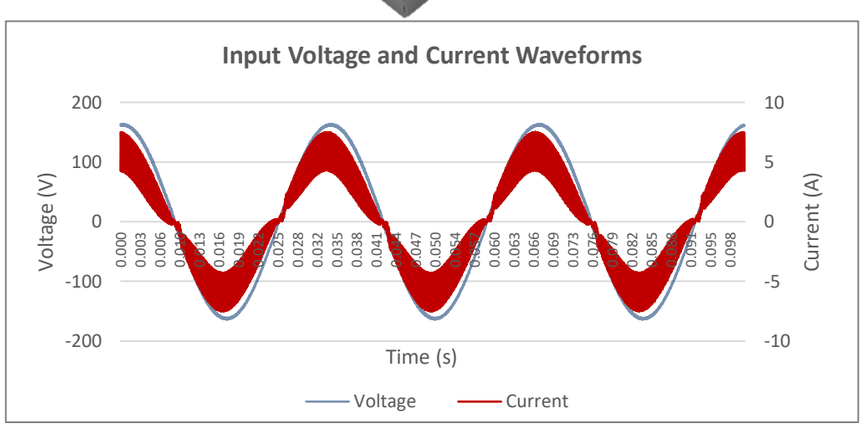
TYPICAL EFFICIENCY (50% Load):	**93.13%**
AVERAGE EFFICIENCY :	**86.55%**
AVERAGE STANDBY EFFICIENCY :	**75.50%**
80 PLUS COMPLIANT:	**Platinum**



ID Number	8166.1
Manufacturer	Lian Li Industrial Co., Ltd.
Model Number	EG0850C
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V
Test Date	4/6/26

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.



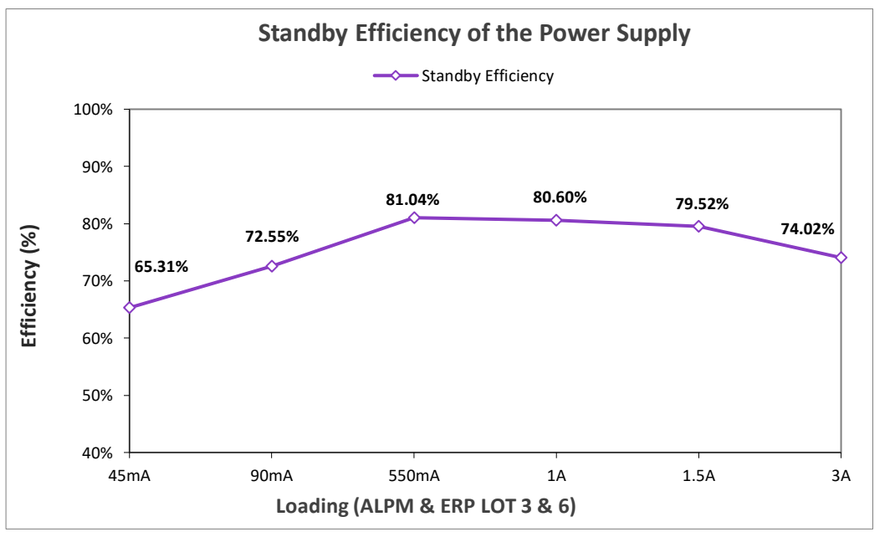
Input AC Current Waveform (ITHD = 6.37%, 50% Load)

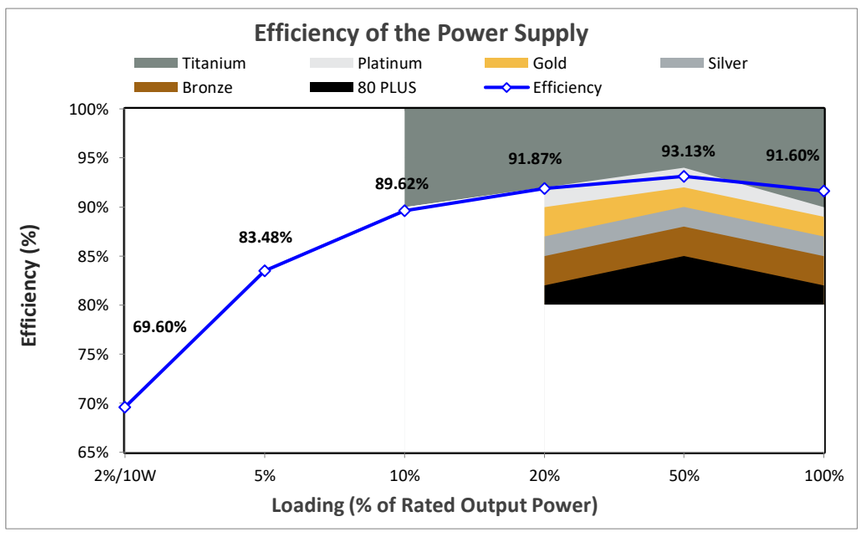
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.135	0.4312	30.13	0%	**6.69**	**No-Load**						
0.346	**0.6270**	20.45	2%/10W	**24.95**	12.202/1.246	12.066/0.005	3.533/0.228	5.067/0.211	5.072/0.053	**17.37**	**69.60%**
0.633	**0.7144**	14.34	5%	**52.00**	12.203/3.111	12.067/0.013	3.530/0.569	5.066/0.529	5.069/0.132	**43.41**	**83.48%**
1.057	**0.7975**	10.76	10%	**96.94**	12.206/6.219	12.068/0.026	3.555/1.145	5.067/1.056	5.064/0.263	**86.88**	**89.62%**
1.856	**0.8857**	8.48	20%	**189.12**	12.206/12.434	12.072/0.053	3.556/2.292	5.068/2.113	5.054/0.527	**173.75**	**91.87%**
4.181	**0.9702**	6.37	50%	**466.48**	12.205/31.083	12.080/0.132	3.570/5.728	5.066/5.287	5.024/1.317	**434.41**	**93.13%**
8.392	**0.9911**	4.53	100%	**948.14**	12.209/62.159	12.094/0.263	3.539/11.491	5.063/10.575	4.973/2.633	**868.53**	**91.60%**

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		
0.070	0.0086	8.72	0mA	**0.07**	**Vampire Load**		
0.143	**0.0212**	17.13	45mA	**0.35**	5.062/0.045	**0.23**	**65.31%**
0.207	**0.0263**	25.72	90mA	**0.63**	5.056/0.090	**0.46**	**72.55%**
0.242	**0.1216**	68.59	550mA	**3.39**	4.998/0.550	**2.75**	**81.04%**
0.293	**0.1815**	78.22	1A	**6.13**	4.940/1.000	**4.94**	**80.60%**
0.333	**0.2395**	81.36	1.5A	**9.20**	4.875/1.500	**7.31**	**79.52%**
0.426	**0.3839**	83.06	3A	**18.89**	4.662/3.000	**13.99**	**74.02%**

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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