80 PLUS Verification and Testing Report

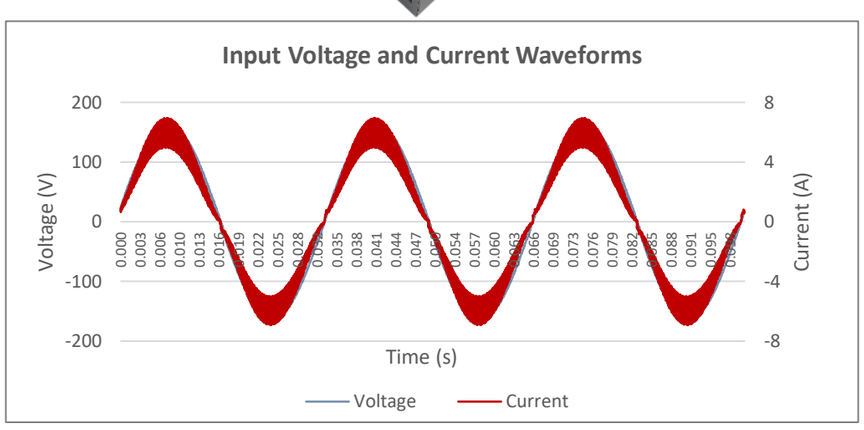
TYPICAL EFFICIENCY (50% Load):	**91.53%**
AVERAGE EFFICIENCY :	**84.46%**
AVERAGE STANDBY EFFICIENCY :	**79.78%**
80 PLUS COMPLIANT:	**Gold**



ID Number	8145
Manufacturer	FSP Technology Inc.
Model Number	VIC-850GM2
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V, ATX 3.1
Test Date	3/23/26

Rated	**Value**	**Units**
Input Voltage	100-240	**Volts**
Input Current	10-6	**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.



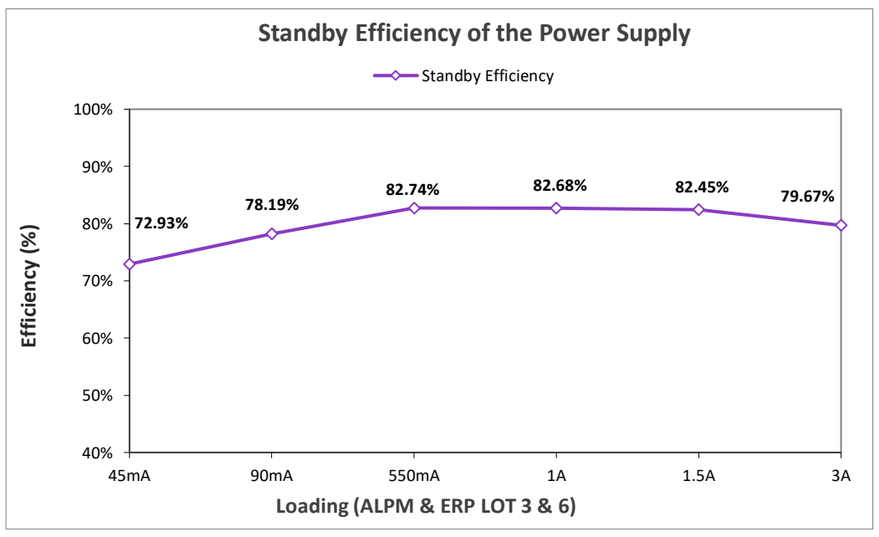
Input AC Current Waveform (ITHD = 5.36%, 50% Load)

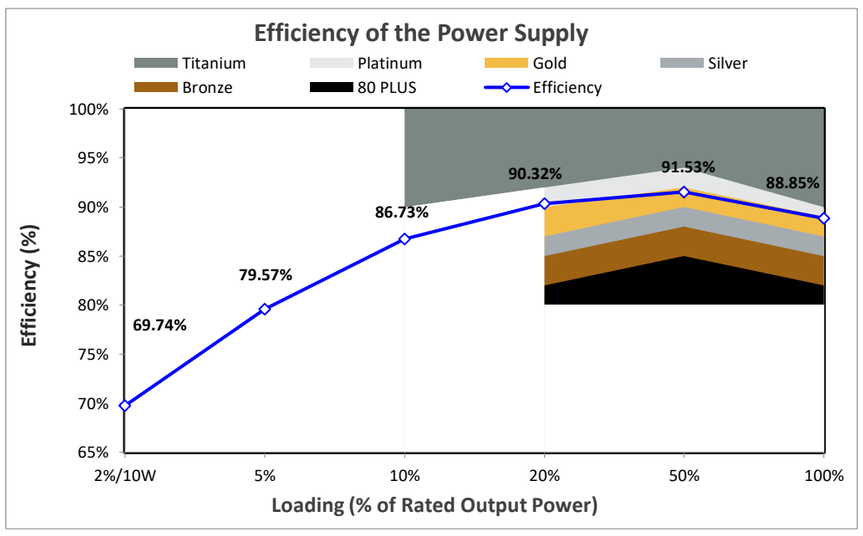
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.122	0.3227	17.17	0%	**4.55**	**No-Load**						
0.278	**0.7648**	14.40	2%/10W	**24.44**	12.018/1.271	12.084/0.005	3.337/0.173	5.040/0.172	5.106/0.054	**17.05**	**69.74%**
0.533	**0.8737**	11.67	5%	**53.54**	12.016/3.175	12.092/0.013	3.337/0.432	5.041/0.432	5.101/0.134	**42.60**	**79.57%**
0.913	**0.9352**	4.39	10%	**98.24**	12.015/6.349	12.092/0.027	3.338/0.863	5.041/0.863	5.093/0.269	**85.20**	**86.73%**
1.680	**0.9757**	6.71	20%	**188.58**	12.010/12.696	12.099/0.054	3.339/1.725	5.041/1.725	5.076/0.538	**170.31**	**90.32%**
4.074	**0.9915**	5.36	50%	**464.85**	12.003/31.737	12.098/0.134	3.337/4.316	5.040/4.316	5.027/1.344	**425.49**	**91.53%**
8.450	**0.9926**	5.20	100%	**956.60**	11.989/63.471	12.119/0.269	3.338/8.635	5.040/8.636	4.942/2.688	**849.91**	**88.85%**

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		
0.088	0.0046	1.84	0mA	**0.05**	**Vampire Load**		
0.094	**0.0296**	9.79	45mA	**0.32**	5.145/0.045	**0.23**	**72.93%**
0.104	**0.0496**	17.17	90mA	**0.59**	5.144/0.090	**0.46**	**78.19%**
0.135	**0.2190**	60.65	550mA	**3.41**	5.126/0.550	**2.82**	**82.74%**
0.173	**0.3108**	75.55	1A	**6.18**	5.109/1.000	**5.11**	**82.68%**
0.230	**0.3494**	81.70	1.5A	**9.26**	5.090/1.500	**7.64**	**82.45%**
0.416	**0.3944**	85.93	3A	**18.94**	5.029/3.001	**15.09**	**79.67%**

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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