80 PLUS Verification and Testing Report

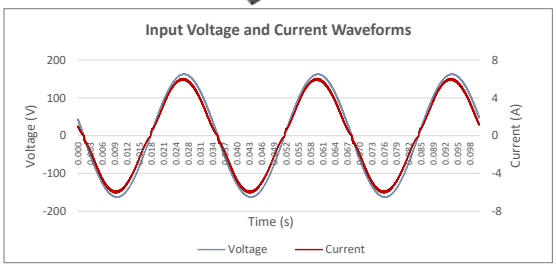
TYPICAL EFFICIENCY (50% Load):	**91.46%**
AVERAGE EFFICIENCY :	**84.21%**
AVERAGE STANDBY EFFICIENCY :	**76.16%**
80 PLUS COMPLIANT:	**Gold**



ID Number	7892
Manufacturer	FSP Technology Inc.
Model Number	VIC-850GD
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V, ATX 3.1
Test Date	7/9/25

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.



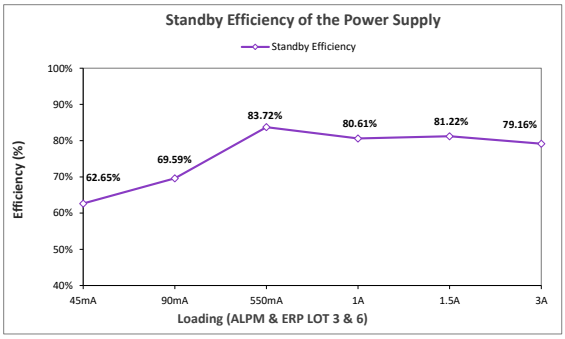
Input AC Current Waveform (ITHD = 5.22%, 50% Load)

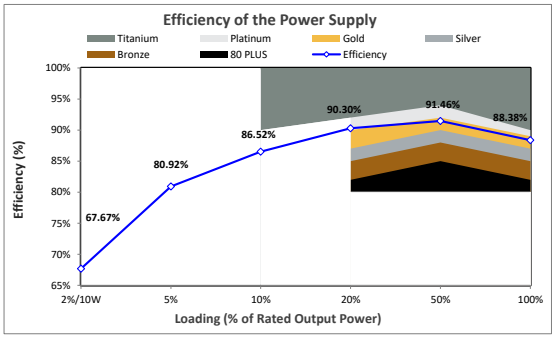
I_{RMS} (A)	PF	I_{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.100	0.4853	43.38	0%	**5.60**	**No-Load**						
0.255	**0.8589**	19.62	2%/10W	**25.24**	12.049/1.271	11.866/0.005	3.358/0.173	5.013/0.173	5.112/0.054	**17.08**	**67.67%**
0.481	**0.9539**	16.43	5%	**52.77**	12.049/3.176	11.866/0.013	3.358/0.432	5.013/0.432	5.108/0.135	**42.70**	**80.92%**
0.870	**0.9865**	6.38	10%	**98.71**	12.050/6.349	11.866/0.027	3.358/0.864	5.013/0.864	5.102/0.269	**85.41**	**86.52%**
1.655	**0.9933**	6.85	20%	**189.15**	12.051/12.696	11.868/0.054	3.361/1.726	5.014/1.726	5.090/0.538	**170.80**	**90.30%**
4.071	**0.9977**	5.22	50%	**466.95**	12.053/31.737	11.875/0.135	3.367/4.318	5.020/4.318	5.051/1.345	**427.09**	**91.46%**
8.494	**0.9985**	4.76	100%	**966.41**	12.055/63.467	11.880/0.269	3.377/8.637	5.026/8.637	4.985/2.689	**854.15**	**88.38%**

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		
0.042	0.0143	4.04	0mA	**0.07**	**Vampire Load**		
0.043	**0.0741**	19.78	45mA	**0.37**	5.100/0.045	**0.23**	**62.65%**
0.045	**0.1275**	32.62	90mA	**0.66**	5.099/0.090	**0.46**	**69.59%**
0.079	**0.3672**	77.03	550mA	**3.34**	5.081/0.550	**2.80**	**83.72%**
0.122	**0.4460**	82.97	1A	**6.28**	5.064/1.000	**5.06**	**80.61%**
0.170	**0.4750**	84.61	1.5A	**9.32**	5.044/1.500	**7.57**	**81.22%**
0.318	**0.5154**	84.65	3A	**18.89**	4.981/3.003	**14.96**	**79.16%**

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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