

80 PLUS Verification and Testing Report

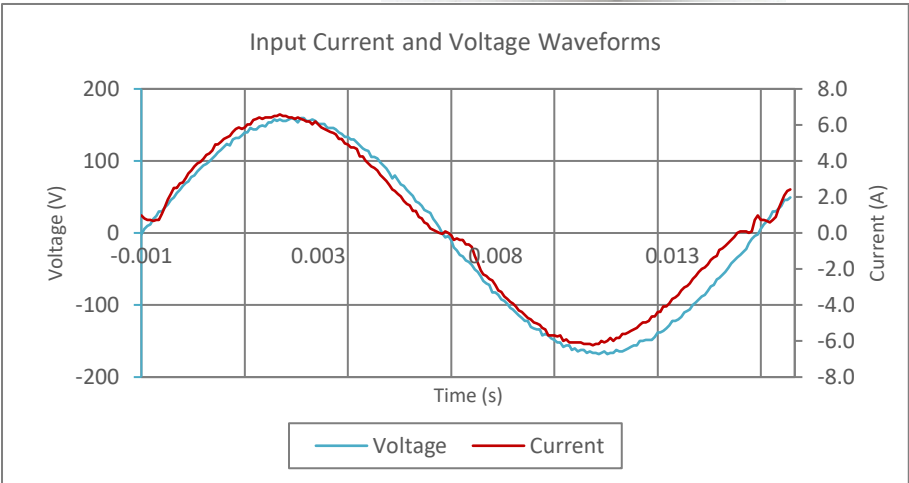
TYPICAL EFFICIENCY (50% Load):	90.45%
AVERAGE EFFICIENCY :	88.84%
80 PLUS COMPLIANT:	YES



ID Number	6444
Manufacturer	FSP Technology Inc.
Model Number	FSP850-50SG
Serial Number	N/A
Year	2021
Type	ATX12V, SFX
Test Date	2/18/21

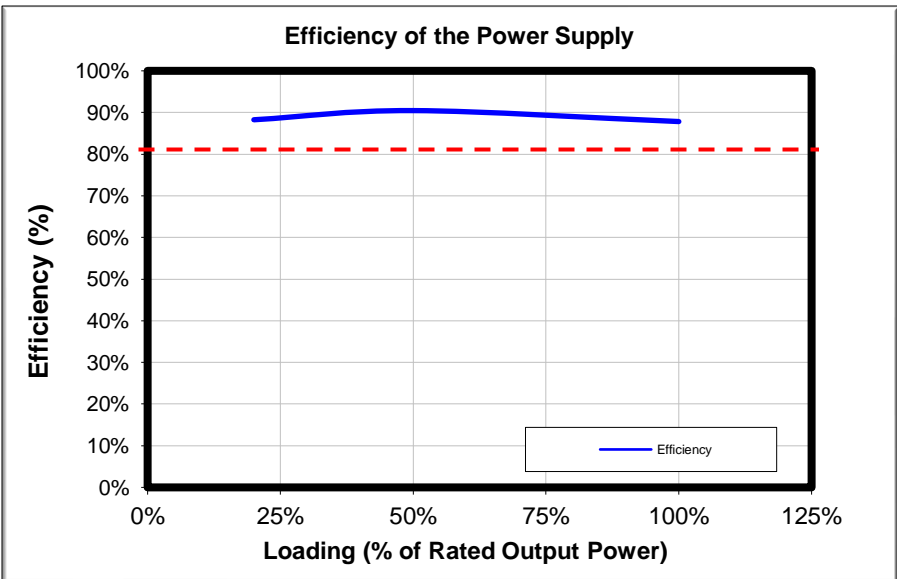
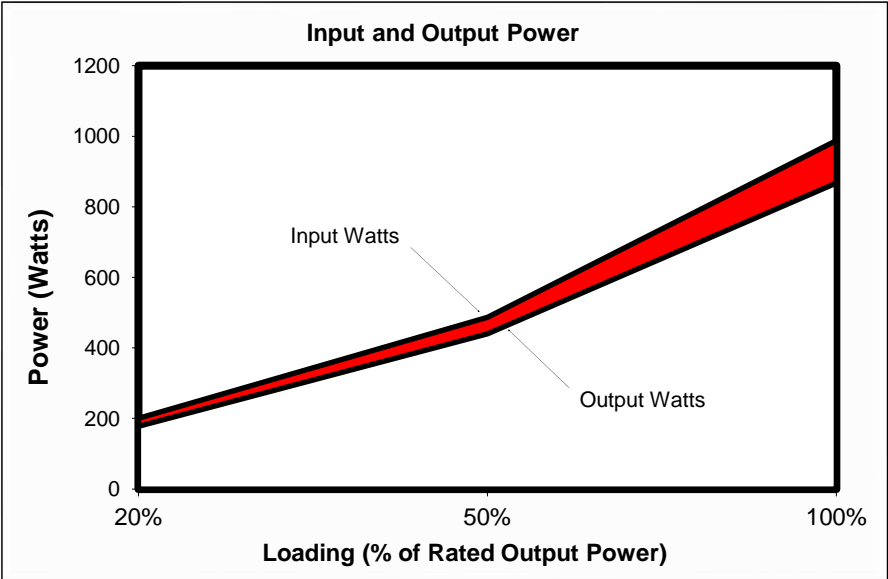
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	60-50	Hz
Rated Output Power	850	Watts

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 8.02%, 50% Load)

I _{RMS}	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		
1.12	0.83	6.73%	10%	106.04	12.53/6.35	12.24/0.05	3.42/0.87	5.09/0.87	5.05/0.23	88.75	83.69%
1.88	0.93	11.08%	20%	200.96	12.49/12.74	11.83/0.09	3.4/1.75	5.08/1.74	5.04/0.45	177.35	88.25%
4.32	0.98	8.02%	50%	486.90	12.42/31.84	11.71/0.23	3.38/4.36	5.06/4.32	5/1.13	440.42	90.45%
8.71	0.99	8.20%	100%	987.70	12.27/63.45	11.5/0.45	3.33/8.73	5.02/8.65	4.93/2.26	867.43	87.82%



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. <http://www.80plus.org/>