

80 PLUS Verification and Testing Report

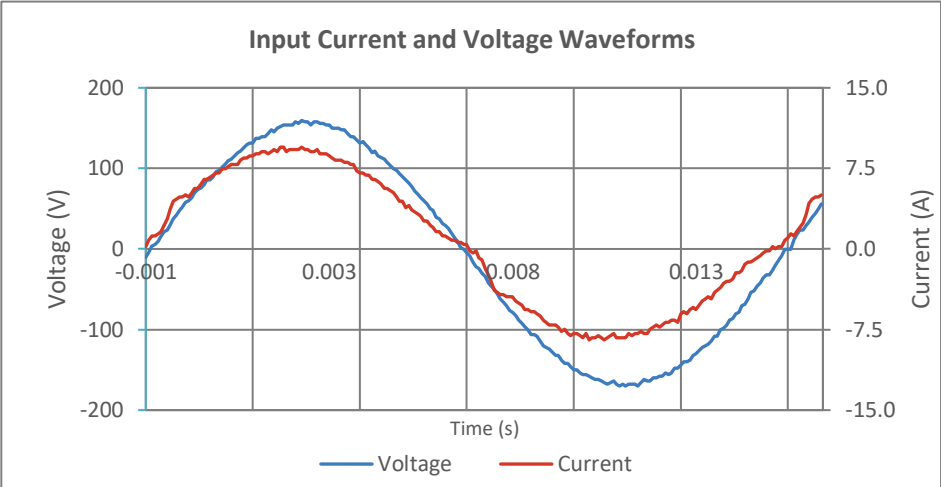
TYPICAL EFFICIENCY (50% Load):	93.01%
AVERAGE EFFICIENCY :	91.39%
80 PLUS COMPLIANT:	Platinum



ID Number	6968
Manufacturer	Segotep
Model Number	SG-1400P
Serial Number	N/A
Year	2023
Type	EPS12V
Test Date	1/23/23

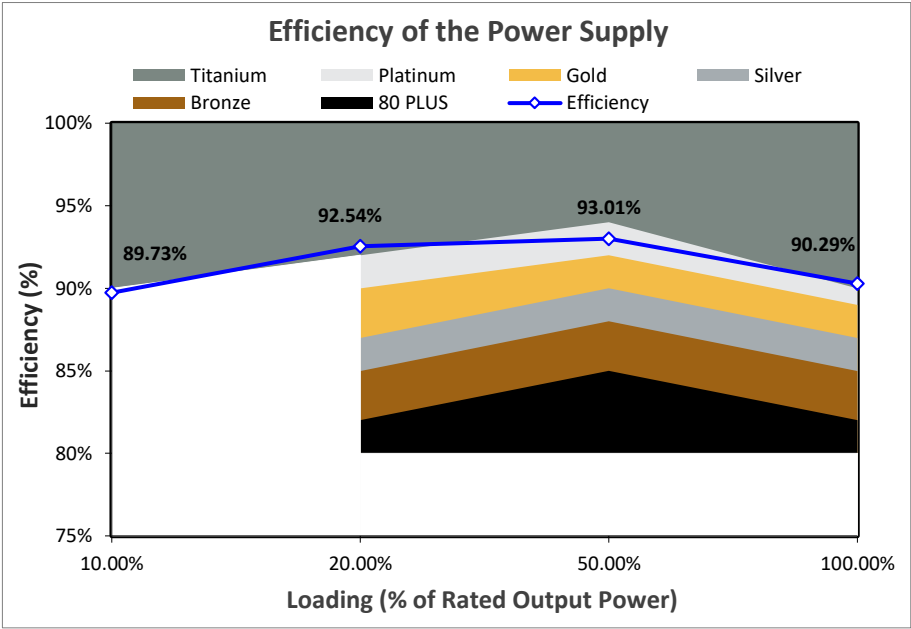
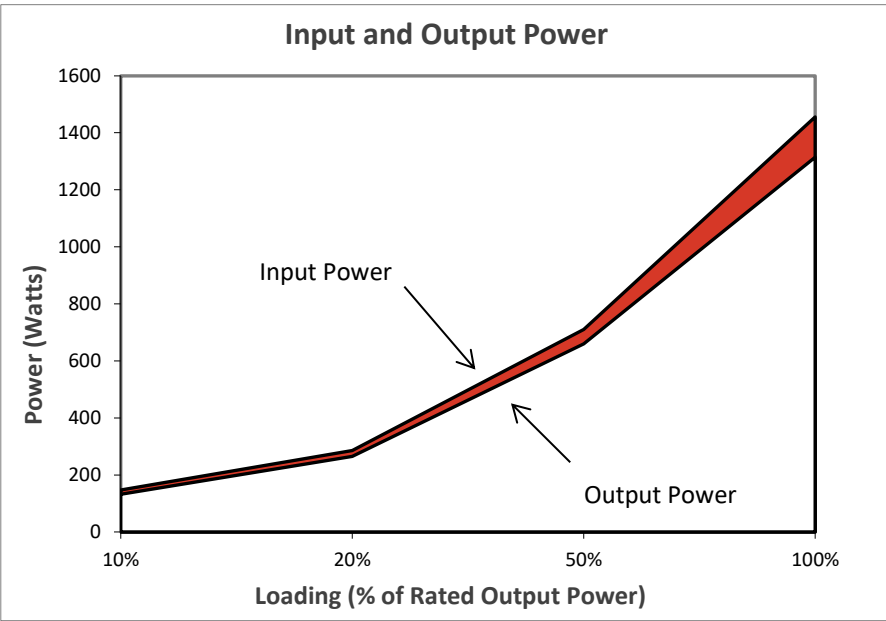
Rated Specifications		Value	Units
Input Voltage		100-240	Volts
Input Current		16-10	Amps
Input Frequency		47-63	Hz
Rated Output Power		1300	Watts

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



Input AC Current Waveform (ITHD = 5.65%, 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		
1.370	0.9337	12.64%	10%	147.06	12.17/9.93	12.4/0.03	3.41/1.18	5.08/1.11	5.14/0.23	131.96	89.73%
2.611	0.9530	15.85%	20%	286.10	12.18/19.89	12.4/0.06	3.41/2.37	5.07/2.22	5.12/0.46	264.75	92.54%
6.269	0.9849	5.65%	50%	709.80	12.16/49.75	12.4/0.14	3.4/5.92	5.06/5.5	5.08/1.15	660.16	93.01%
12.793	0.9897	4.46%	100%	1456.00	12.14/99.23	12.4/0.28	3.38/11.86	5.03/11	5.02/2.3	1314.65	90.29%



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/>