

80 PLUS Verification and Testing Report

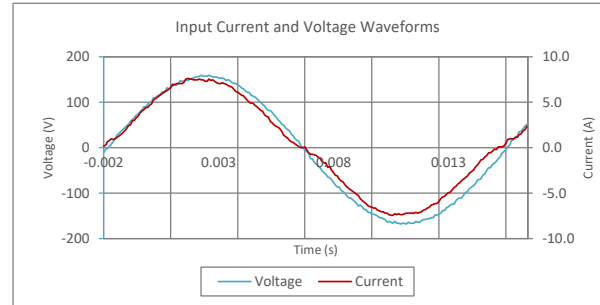
TYPICAL EFFICIENCY (50% Load):	91.18%
AVERAGE EFFICIENCY :	89.99%
80 PLUS COMPLIANT:	YES



ID Number	6280.1
Manufacturer	Rosewill
Model Number	SMG1050
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	1/11/21

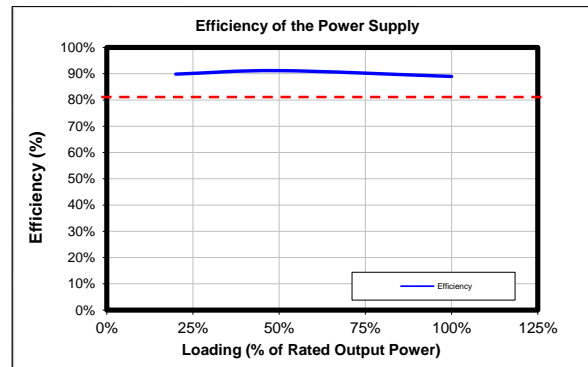
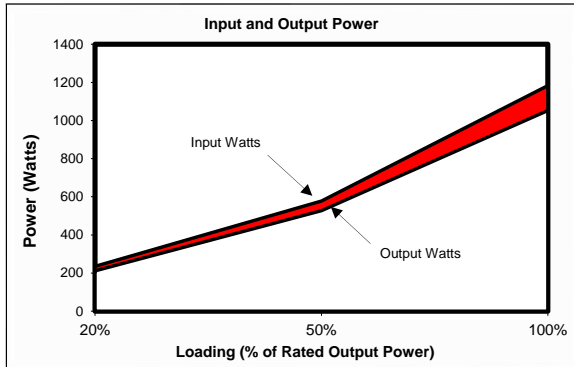
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	15-8	Amps
Input Frequency	50-60	Hz
Rated Output Power	1050	Watts

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



Input AC Current Waveform (I_{THD} = 7.15%, 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		
1.10	0.98	13.03%	10%	123.93	12/7.74	12.05/0.03	3.31/1.28	5.09/1.28	5.09/0.27	105.35	85.01%
2.06	0.99	9.59%	20%	235.16	12.01/15.54	12.05/0.05	3.3/2.55	5.09/2.53	5.08/0.53	211.28	89.84%
5.05	1.00	7.15%	50%	577.80	11.99/38.8	11.84/0.13	3.29/6.4	5.09/6.34	5.03/1.33	526.84	91.18%
10.31	1.00	6.20%	100%	1183.00	11.97/77.55	12.08/0.27	3.3/12.79	5.1/12.64	5.15/2.65	1052.40	88.96%



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/>