

80 PLUS Verification and Testing Report

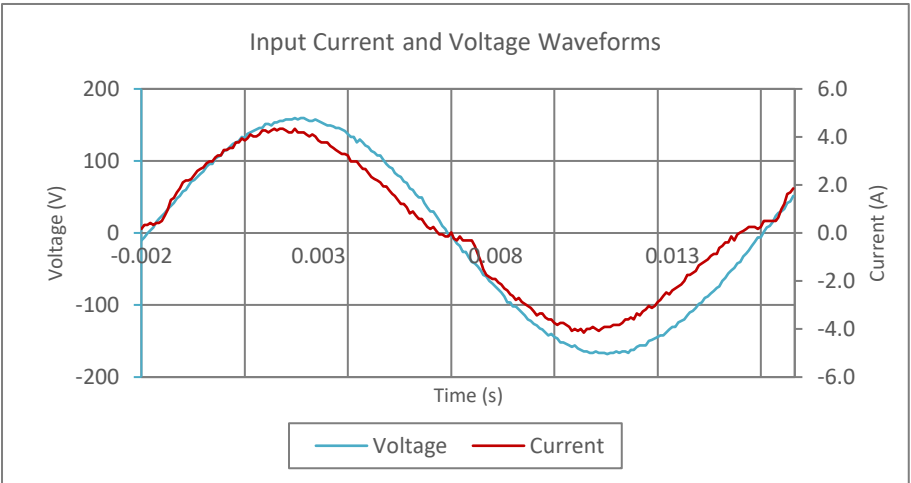
TYPICAL EFFICIENCY (50% Load):	87.43%
AVERAGE EFFICIENCY :	85.98%
80 PLUS COMPLIANT:	YES



ID Number	6294
Manufacturer	ARESGAME
Model Number	AGW550
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	1/12/21

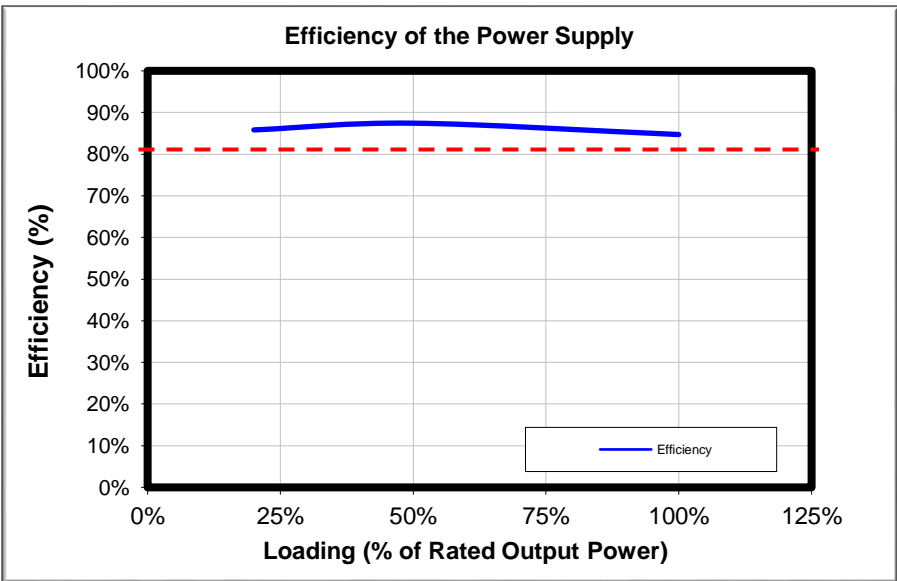
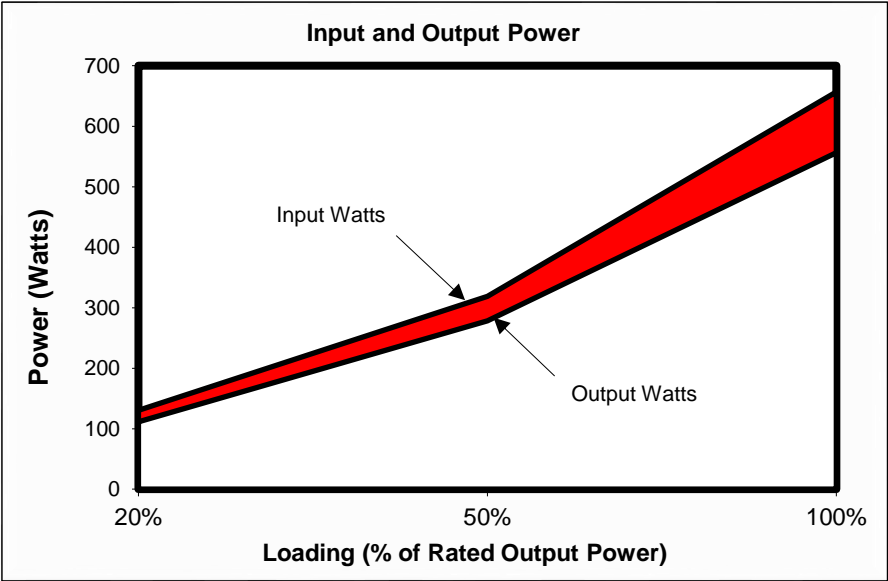
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 8.95%, 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		
0.65	0.93	19.69%	10%	68.77	12.08/3.75	11.74/0.03	3.34/1.04	5.2/1.04	5.13/0.23	55.73	81.03%
1.18	0.95	17.17%	20%	129.90	12.09/7.5	11.77/0.05	3.34/2.09	5.19/2.08	5.12/0.46	111.47	85.82%
2.82	0.98	8.95%	50%	318.50	12.08/18.78	11.82/0.14	3.33/5.22	5.17/5.18	5.1/1.14	278.48	87.43%
5.76	0.99	5.43%	100%	656.60	12.08/37.54	11.94/0.27	3.31/10.45	5.14/10.34	5.05/2.28	556.16	84.70%



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/>