

# 80 PLUS Verification and Testing Report

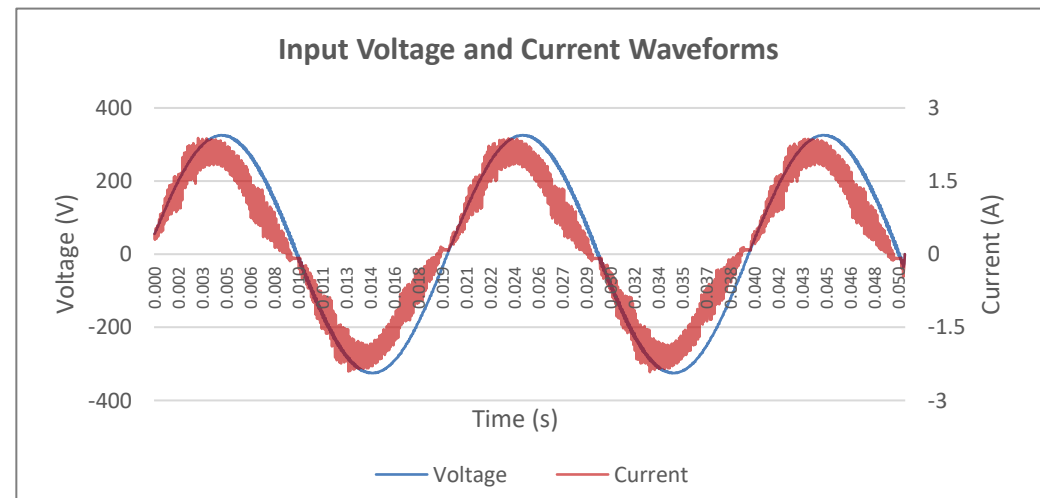
TYPICAL EFFICIENCY (50% Load):	89.45%
AVERAGE EFFICIENCY :	84.67%
80 PLUS COMPLIANT:	Bronze



ID Number	EU-1067
Manufacturer	VSP TECHNOLOGY SPREAD
Model Number	VGP550BRU PRO
Serial Number	N/A
Type	ATX12V
Test Date	6/7/24

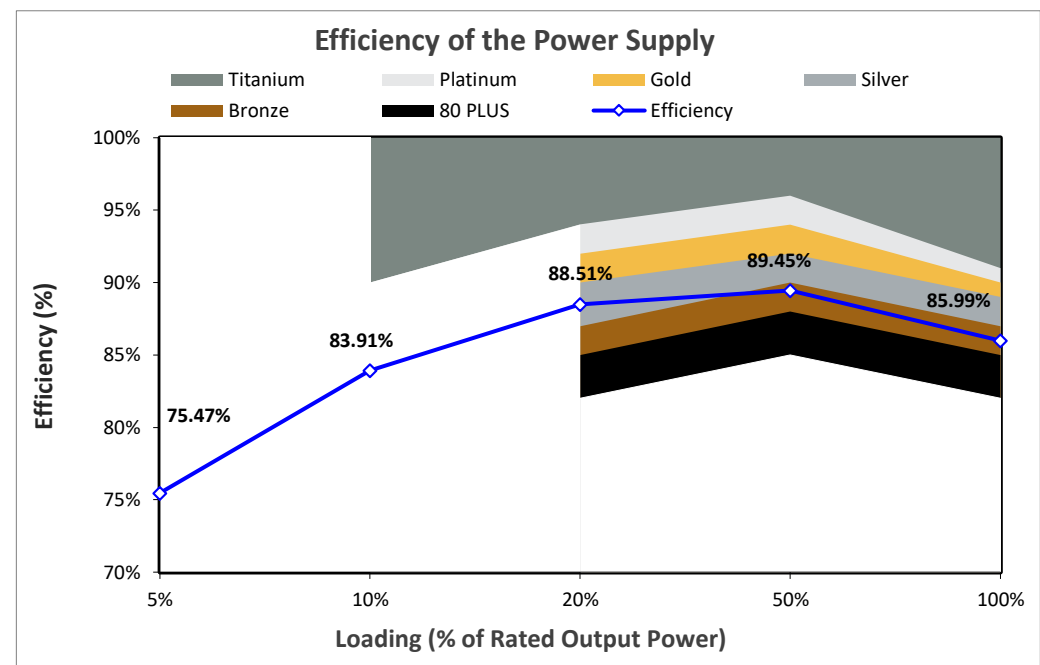
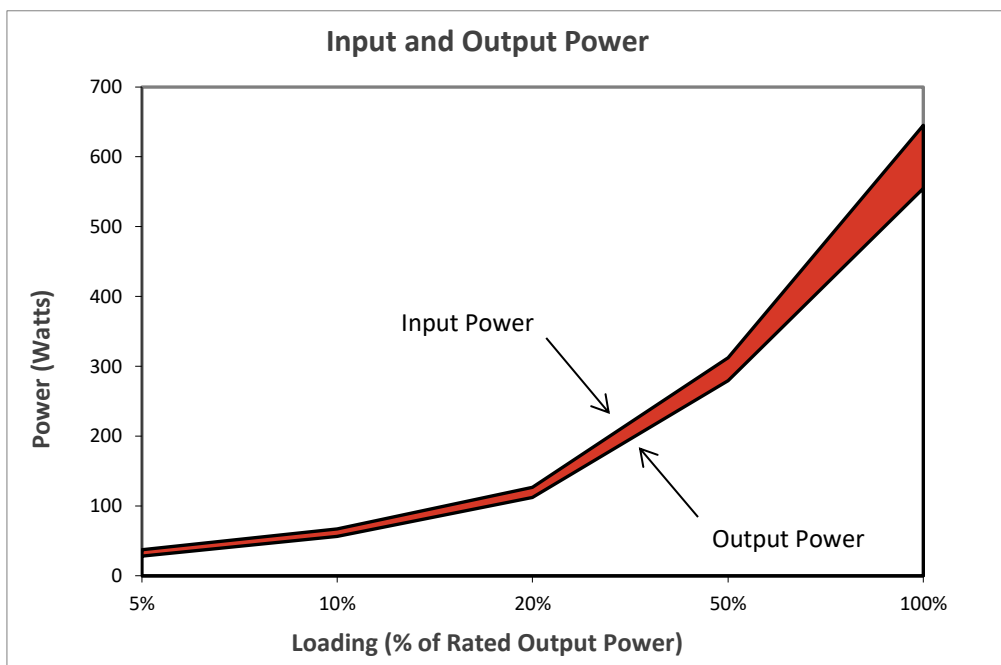
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

Note: All measurements were taken with input voltage at 230V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 10.96%, 50% Load)

I <sub>RMS</sub> (A)	PF	I <sub>THD</sub> (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vstb		
0.111	0.4282	33.49	0%	10.92	No-Load						
0.222	<b>0.7313</b>	20.31	5%	37.27	12.25/1.91	12.2/0.013	3.39/0.48	5.18/0.48	5.13/0.104	28.13	75.47%
0.343	<b>0.8486</b>	14.19	10%	67.00	12.25/3.81	12.22/0.025	3.39/0.95	5.17/0.95	5.12/0.208	56.22	83.91%
0.596	<b>0.9250</b>	10.12	20%	126.85	12.23/7.63	12.23/0.05	3.38/1.91	5.15/1.91	5.11/0.416	112.28	88.51%
1.399	<b>0.9708</b>	10.96	50%	312.45	12.2/19.07	12.31/0.125	3.35/4.76	5.09/4.76	5.06/1.041	279.49	89.45%
2.845	<b>0.9862</b>	5.50	100%	645.24	12.13/38.13	12.47/0.25	3.29/9.53	5/9.53	4.99/2.08	554.85	85.99%



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/>