

80 PLUS Verification and Testing Report

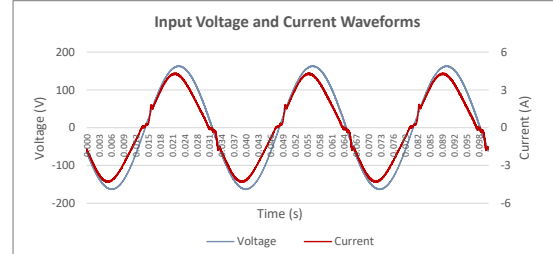
TYPICAL EFFICIENCY (50% Load):	87.21%
AVERAGE EFFICIENCY :	77.02%
AVERAGE STANDBY EFFICIENCY :	77.89%
80 PLUS COMPLIANT:	Bronze



ID Number	7913
Manufacturer	Redragon
Model Number	RGP5-550WGU
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V
Test Date	8/1/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	8	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.



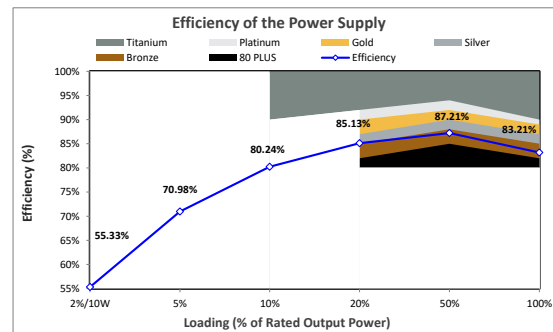
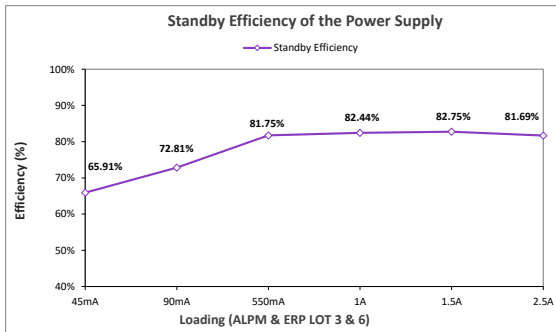
Input AC Current Waveform (ITHD = 9.06%, 50% Load)

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)						
0.132	0.6103	20.90	0%	9.26	No-Load						
0.207	0.8550	21.83	2%/10W	20.36	12.286/0.755	12.089/0.005	3.411/0.202	5.123/0.202	5.062/0.042	11.27	55.33%
0.372	0.9279	22.21	5%	39.68	12.284/1.889	12.256/0.013	3.409/0.505	5.120/0.505	5.057/0.105	28.16	70.98%
0.625	0.9762	11.96	10%	70.14	12.280/3.773	12.271/0.025	3.405/1.010	5.117/1.010	5.050/0.210	56.28	80.24%
1.191	0.9649	14.10	20%	132.11	12.271/7.545	12.280/0.050	3.397/2.020	5.108/2.020	5.035/0.419	112.47	85.13%
2.831	0.9873	9.06	50%	321.47	12.243/18.862	12.293/0.126	3.373/5.050	5.081/5.050	4.991/1.048	280.36	87.21%
5.872	0.9932	7.59	100%	670.46	12.197/37.721	12.355/0.252	3.327/10.100	5.029/10.100	4.910/2.095	557.86	83.21%

Note: Efficiency data was obtained from Sample 1 (Serial Number: N/A)

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Standby Efficiency
					5VSB						
0.083	0.0070	5.92	0mA	0.07	Vampire Load						
0.082	0.0364	11.04	45mA	0.34	5.051/0.045					0.23	65.91%
0.082	0.0663	17.73	90mA	0.62	5.049/0.090					0.45	72.81%
0.102	0.2896	58.01	550mA	3.39	5.037/0.550					2.77	81.75%
0.134	0.3962	72.05	1A	6.09	5.026/1.000					5.02	82.44%
0.176	0.4481	78.31	1.5A	9.08	5.013/1.500					7.52	82.75%
0.267	0.4966	81.69	2.5A	15.27	4.986/2.502					12.47	81.69%

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: N/A)



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.
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