

80 PLUS Verification and Testing Report

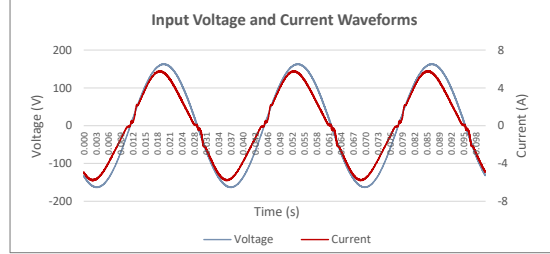
TYPICAL EFFICIENCY (50% Load):	87.84%
AVERAGE EFFICIENCY :	79.35%
AVERAGE STANDBY EFFICIENCY :	70.79%
80 PLUS COMPLIANT:	Bronze



ID Number	7915
Manufacturer	Redragon
Model Number	RGPS-750WGU
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V
Test Date	8/4/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	750	Watts

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



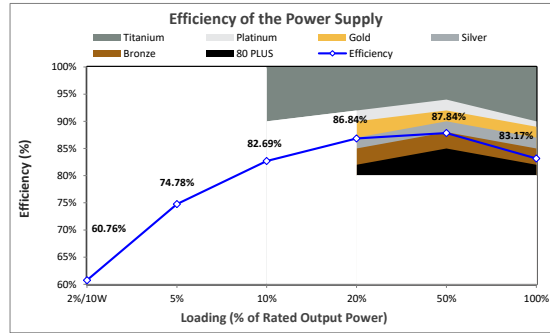
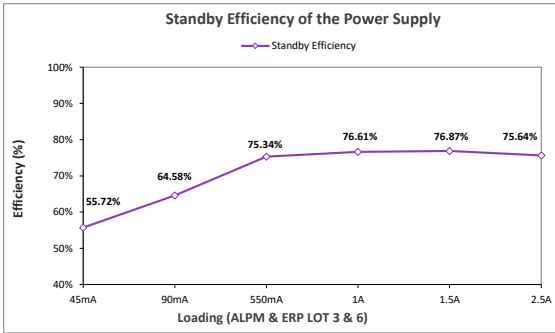
Input AC Current Waveform (THD = 8.83%, 50% Load)

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.)		-12V	3.3V	5V		
0.168	0.7272	17.00	0%	14.03	No-Load						
0.247	0.8860	13.74	2%/10W	25.12	12.207/1.082	11.843/0.005	3.401/0.210	5.112/0.210	5.036/0.044	15.27	60.76%
0.465	0.9551	13.89	5%	51.05	12.207/2.704	12.302/0.013	3.398/0.525	5.110/0.525	5.032/0.109	38.18	74.78%
0.818	0.9810	11.45	10%	92.30	12.208/5.405	12.312/0.026	3.397/1.050	5.108/1.050	5.027/0.218	76.32	82.69%
1.572	0.9712	14.20	20%	175.61	12.195/10.811	12.285/0.052	3.391/2.101	5.103/2.101	5.015/0.436	152.51	86.84%
3.811	0.9887	8.83	50%	433.34	12.179/27.030	12.231/0.131	3.374/5.253	5.088/5.253	4.980/1.090	380.66	87.84%
7.967	0.9935	6.92	100%	910.10	12.112/54.056	12.296/0.262	3.345/10.506	5.063/10.505	4.917/2.180	756.93	83.17%

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			
0.081	0.0115	4.56	0mA	0.11	Vampire Load			
0.080	0.0439	11.81	45mA	0.41	5.029/0.045		0.23	55.72%
0.080	0.0757	19.06	90mA	0.70	5.028/0.090		0.45	64.58%
0.103	0.3085	59.91	550mA	3.66	5.017/0.550		2.76	75.34%
0.138	0.4121	73.01	1A	6.53	5.005/1.000		5.00	76.61%
0.184	0.4615	78.55	1.5A	9.74	4.993/1.500		7.49	76.87%
0.477	0.2992	81.89	2.5A	16.43	4.968/2.502		12.43	75.64%

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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