

80 PLUS Verification and Testing Report

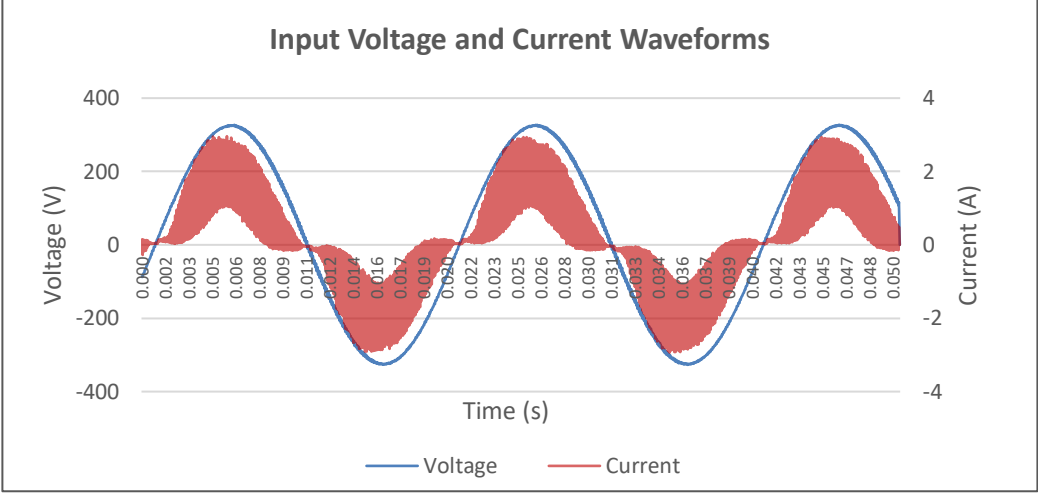
TYPICAL EFFICIENCY (50% Load):	89.07%
AVERAGE EFFICIENCY :	83.31%
80 PLUS COMPLIANT:	Bronze



ID Number	EU-1107
Manufacturer	POWERCASE
Model Number	PW500
Serial Number	N/A
Type	ATX12V
Test Date	10/15/24

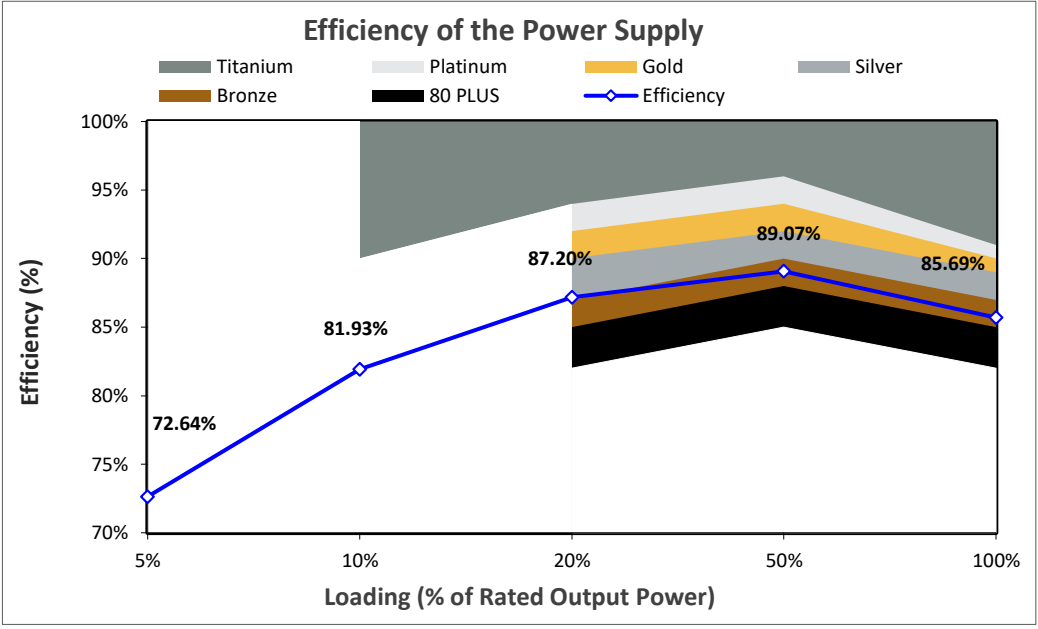
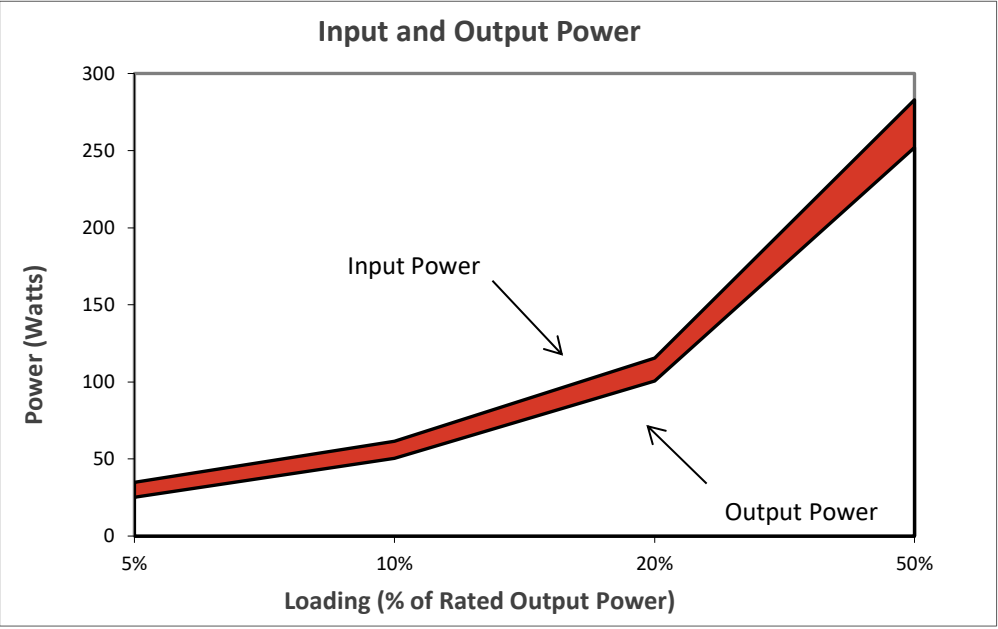
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	6	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 11.27%, 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	5VSB		
0.052	0.5047	49.94	0%	6.07	No-Load						
0.210	0.7201	43.68	5%	34.70	12.09/1.69	11.42/0.012	3.35/0.49	5.03/0.49	5.17/0.121	25.21	72.64%
0.346	0.7727	36.01	10%	61.50	12.09/3.37	11.46/0.024	3.34/0.98	5.02/0.98	5.16/0.243	50.38	81.93%
0.607	0.8272	27.44	20%	115.46	12.08/6.74	11.49/0.049	3.35/1.95	5.01/1.95	5.13/0.486	100.67	87.20%
1.351	0.9101	11.27	50%	282.92	12.14/16.84	11.53/0.121	3.28/4.88	4.92/4.88	5.05/1.214	251.99	89.07%
2.695	0.9398	12.00	100%	581.75	12/33.67	11.69/0.243	3.28/9.75	4.9/9.75	4.9/2.428	498.53	85.69%



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/>