

80 PLUS Verification and Testing Report

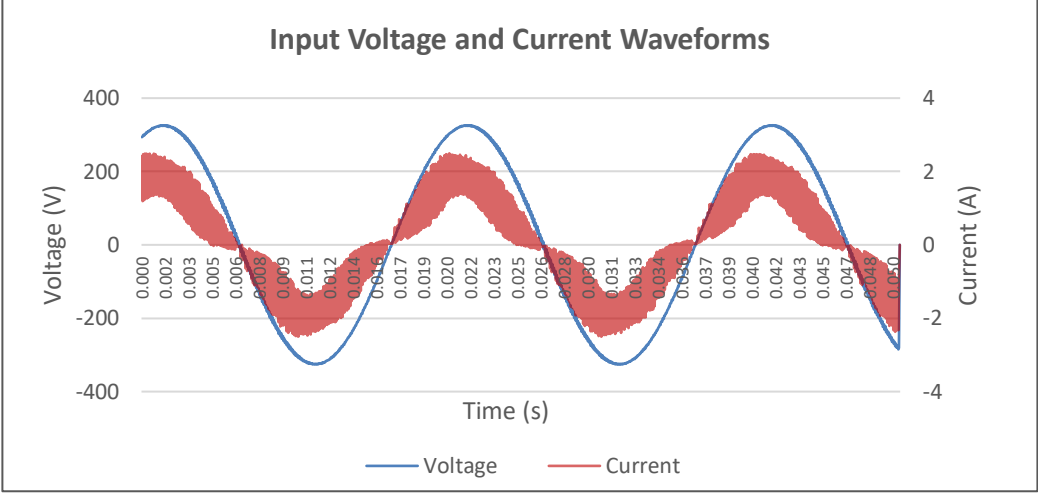
TYPICAL EFFICIENCY (50% Load):	89.42%
AVERAGE EFFICIENCY :	83.55%
80 PLUS COMPLIANT:	Bronze



ID Number	EU-1110
Manufacturer	POWERCASE
Model Number	PB500
Serial Number	N/A
Type	ATX12V
Test Date	10/16/24

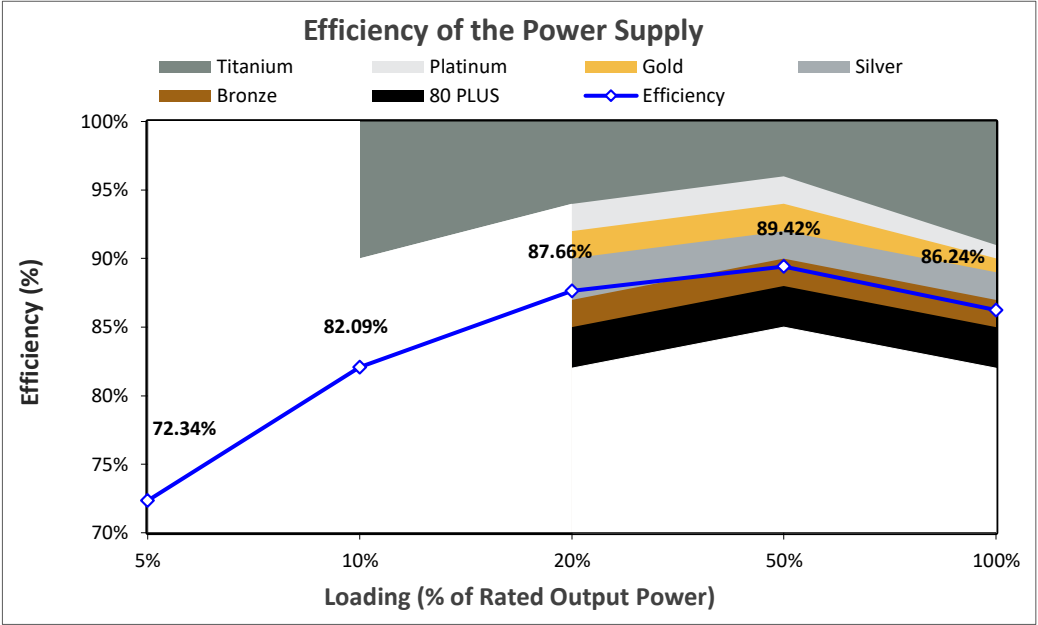
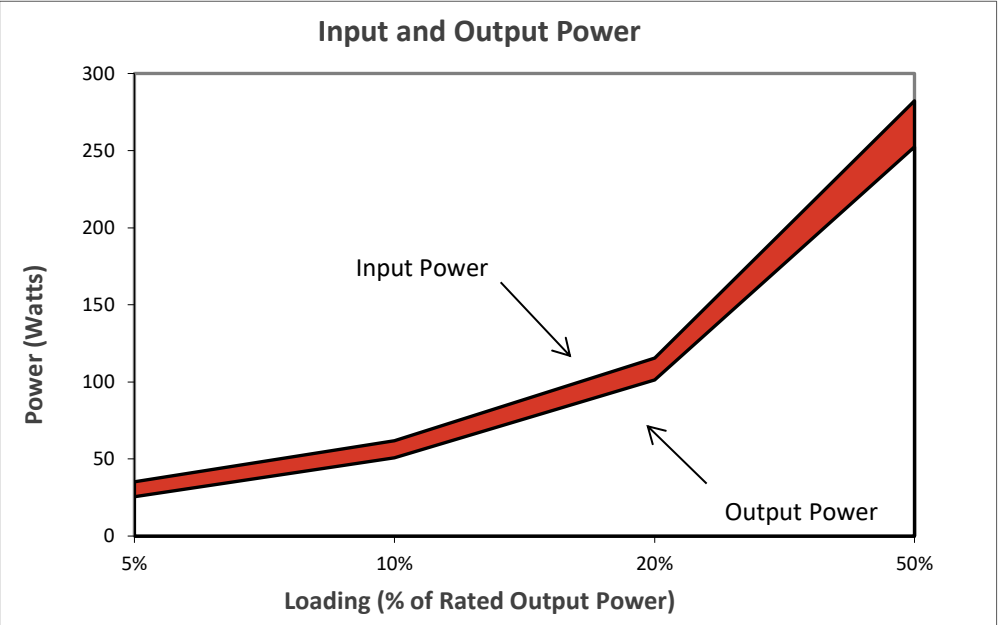
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	6	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 9.14%, 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		
0.060	0.4872	41.67	0%	6.71	No-Load						
0.198	0.7680	16.93	5%	35.05	12.18/1.69	11.5/0.012	3.34/0.49	5.02/0.49	5.17/0.121	25.35	72.34%
0.325	0.8268	12.23	10%	61.75	12.18/3.37	11.53/0.024	3.33/0.98	5.01/0.98	5.15/0.243	50.69	82.09%
0.571	0.8794	9.96	20%	115.53	12.18/6.74	11.57/0.049	3.32/1.95	5/1.95	5.13/0.486	101.27	87.66%
1.299	0.9448	9.14	50%	282.28	12.16/16.84	11.56/0.121	3.28/4.88	4.96/4.88	5.05/1.214	252.41	89.42%
2.593	0.9766	8.50	100%	582.22	12.13/33.67	11.82/0.243	3.22/9.75	4.89/9.75	4.91/2.428	502.12	86.24%



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/>