

## 80 PLUS Verification and Testing Report

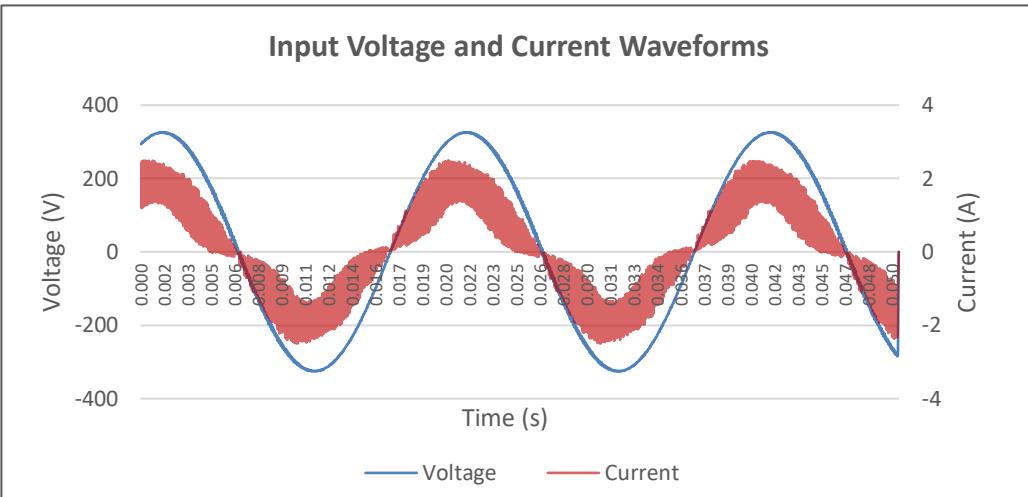
TYPICAL EFFICIENCY (50% Load):	89.42%
AVERAGE EFFICIENCY :	83.55%
80 PLUS COMPLIANT:	Bronze



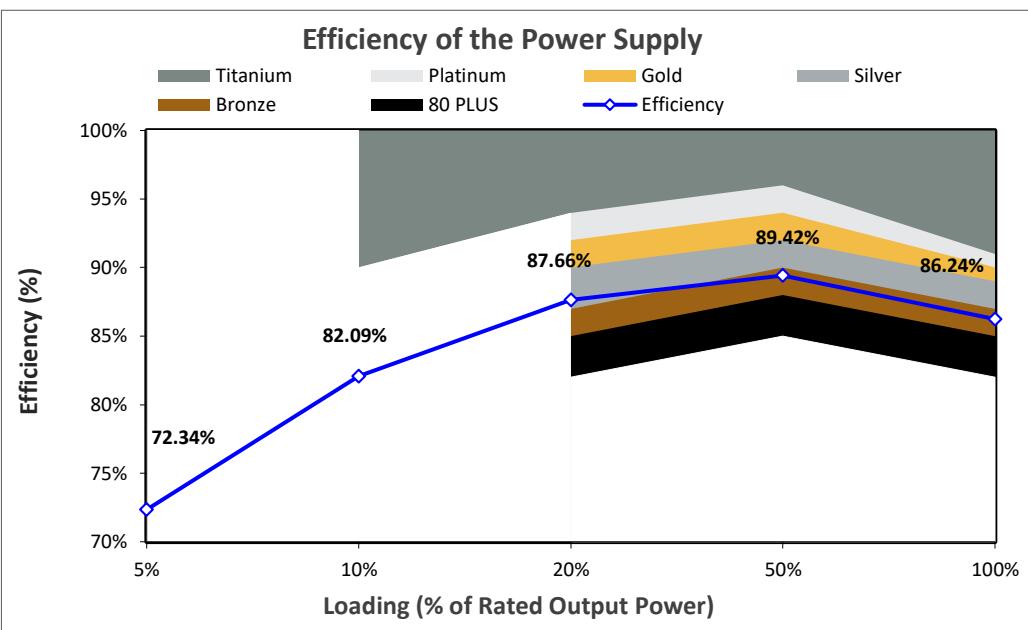
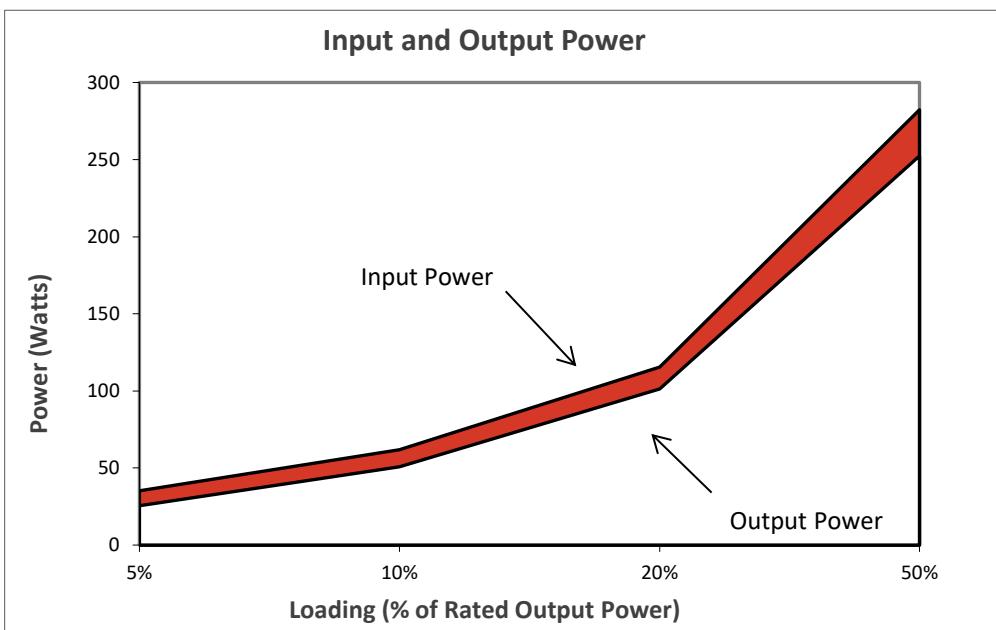
ID Number	EU-1110
Manufacturer	POWERCASE
Model Number	PB500
Serial Number	N/A
Type	ATX12V
Test Date	10/16/24

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.



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		
0.060	0.4872	41.67	0%	6.71							
0.198	<b>0.7680</b>	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	<b>25.35</b>	<b>72.34%</b>
0.325	<b>0.8268</b>	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	<b>50.69</b>	<b>82.09%</b>
0.571	<b>0.8794</b>	9.96	20%	115.53	12.18/6.74	11.57/0.049	3.32/1.95	5/1.95	5.13/0.486	<b>101.27</b>	<b>87.66%</b>
1.299	<b>0.9448</b>	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	<b>252.41</b>	<b>89.42%</b>
2.593	<b>0.9766</b>	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	<b>502.12</b>	<b>86.24%</b>



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/>