80 PLUS Verification and Testing Report

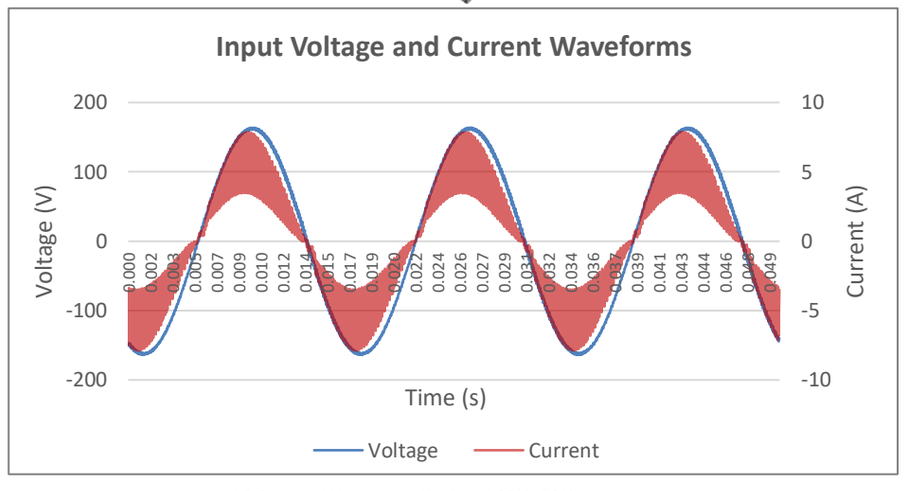
TYPICAL EFFICIENCY (50% Load):	**86.83%**
AVERAGE EFFICIENCY :	**82.13%**
80 PLUS COMPLIANT:	**Bronze**



ID Number	7264.7
Manufacturer	MARS GAMING
Model Number	MPIII750
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	1/8/24

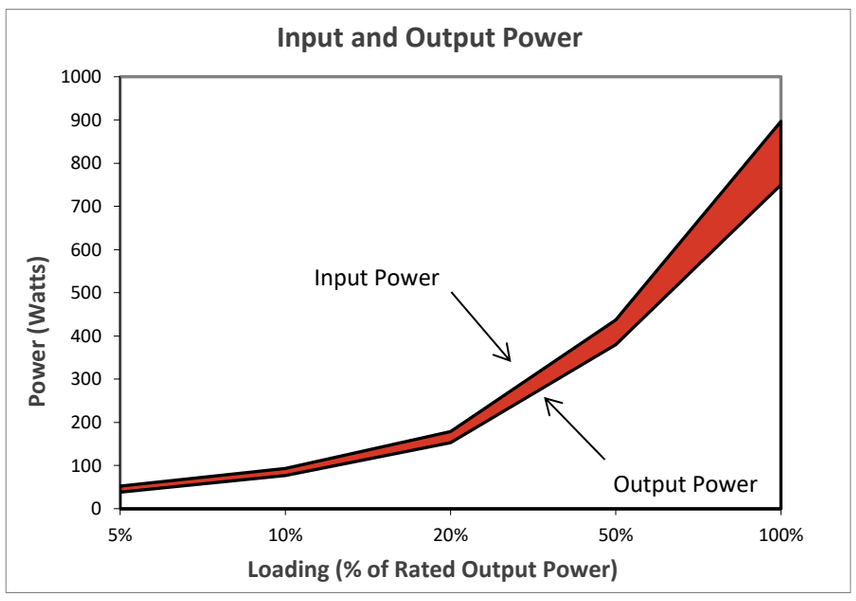
Rated Specifications	Value	Units
Input Voltage	115/230	**Volts**
Input Current	8.5	**Amps**
Input Frequency	47-63	**Hz**
Rated Output Power	750	**Watts**

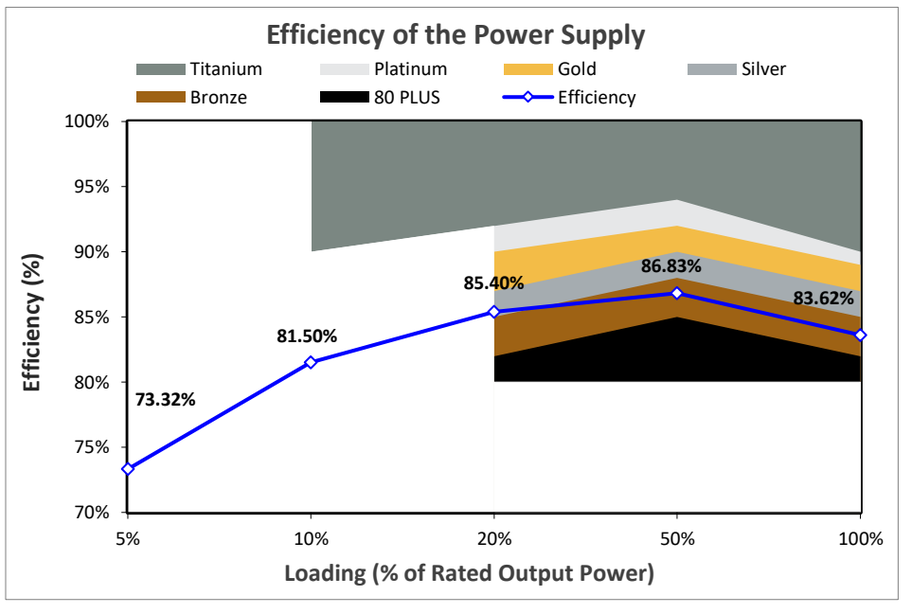
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 7.09%, 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	5Vstb		
0.135	0.4416	34.33	0%	6.84	No-Load						
0.698	**0.6494**	21.81	5%	52.12	12.2/2.78	12.05/0.013	3.42/0.43	5.18/0.43	5.22/0.09	38.21	**73.32%**
1.065	**0.7651**	32.37	10%	93.71	12.19/5.55	12.05/0.027	3.41/0.86	5.17/0.86	5.2/0.179	76.37	**81.50%**
1.761	**0.8820**	14.41	20%	178.56	12.18/11.11	12.06/0.054	3.4/1.73	5.15/1.73	5.17/0.358	152.50	**85.40%**
3.977	**0.9547**	7.09	50%	436.61	12.12/27.76	12.09/0.134	3.35/4.32	5.09/4.32	5.09/0.895	379.09	**86.83%**
8.113	**0.9614**	5.80	100%	896.67	12.01/55.52	12.16/0.269	3.26/8.63	4.95/8.63	4.92/1.791	749.80	**83.62%**





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/*