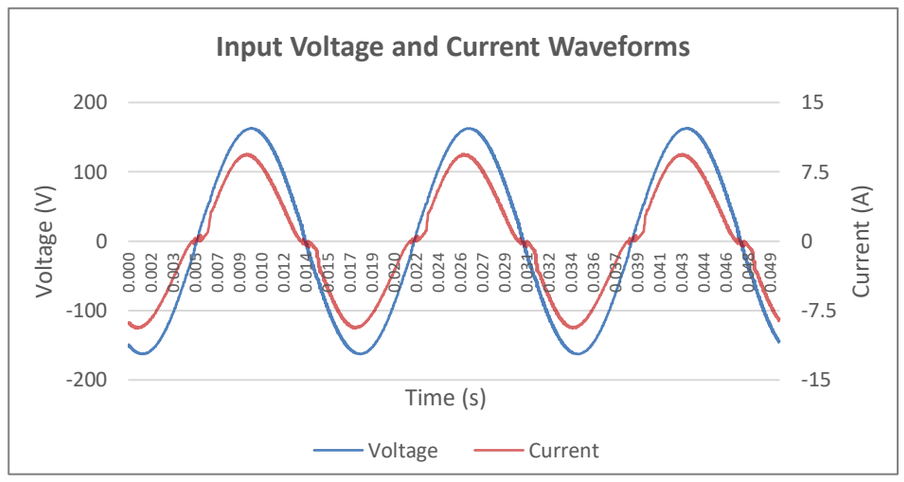
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	91.52%
AVERAGE EFFICIENCY :	86.57%
80 PLUS COMPLIANT:	Gold

ID Number	7222
Manufacturer	Micro-Star International Co., Ltd.
Model Number	MAG A1250GL PCIE5
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	12/7/23

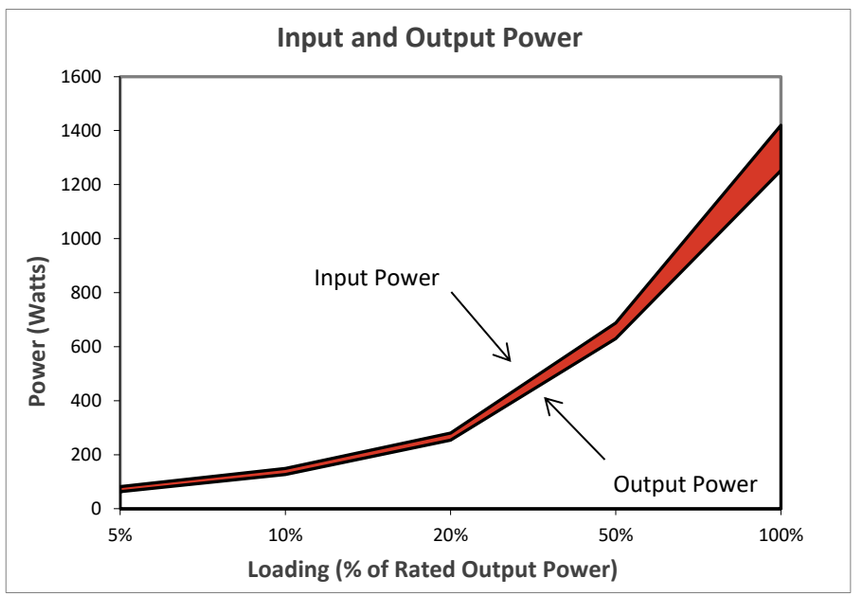
Rated Specifications	Value	Units
Input Voltage	100-240	**Volts**
Input Current	15	**Amps**
Input Frequency	50-60	**Hz**
Rated Output Power	1250	**Watts**

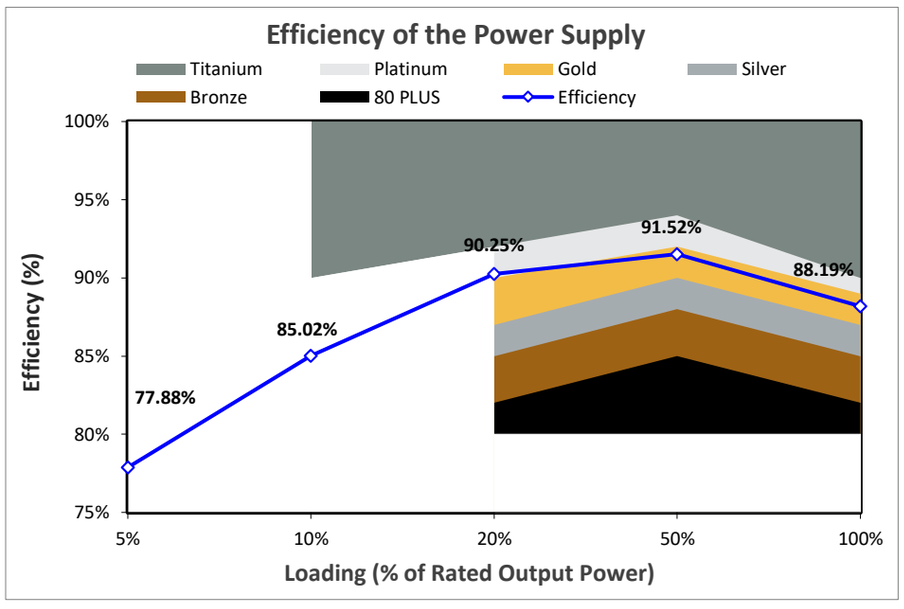
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 14.12%, 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		
0.096	0.2757	15.49	0%	3.05	No-Load						
0.731	**0.9668**	23.26	5%	81.23	12.14/4.69	12.06/0.014	3.35/0.65	5.05/0.65	5.05/0.135	63.26	**77.88%**
1.325	**0.9767**	20.05	10%	148.83	12.14/9.38	12.06/0.027	3.35/1.3	5.05/1.3	5.04/0.27	126.53	**85.02%**
2.473	**0.9851**	16.25	20%	280.27	12.14/18.76	12.06/0.054	3.36/2.6	5.05/2.6	5.03/0.54	252.95	**90.25%**
6.063	**0.9868**	14.12	50%	688.13	12.08/46.89	12.07/0.135	3.36/6.51	5.05/6.51	5.04/1.351	629.78	**91.52%**
12.441	**0.9930**	10.39	100%	1420.16	12.01/93.76	12.08/0.27	3.35/13.02	5.05/13.02	4.99/2.702	1252.47	**88.19%**





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/*