80 PLUS Verification and Testing Report

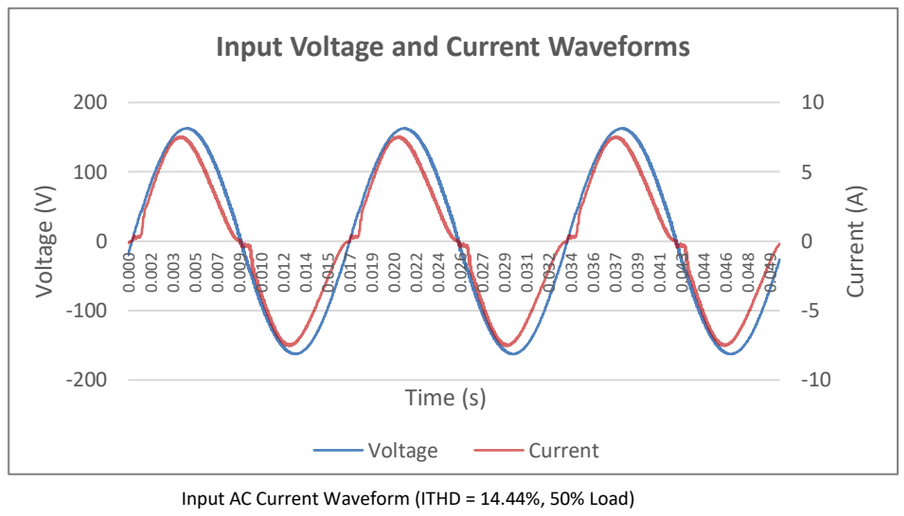
TYPICAL EFFICIENCY (50% Load):	**91.99%**
AVERAGE EFFICIENCY :	**88.62%**
80 PLUS COMPLIANT:	**Gold**



ID Number	7245
Manufacturer	Channel Well Technology Co.
Model Number	CSX1000M5-G
Serial Number	N/A
Year	2023
Type	SFX
Test Date	11/29/23

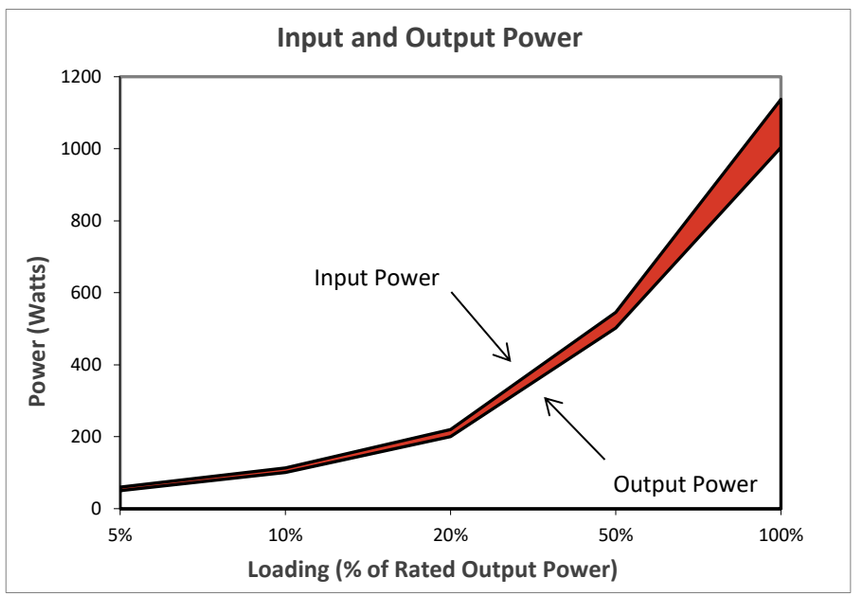
Rated Specifications	Value	Units
Input Voltage	100-240	**Volts**
Input Current	15	**Amps**
Input Frequency	47-63	**Hz**
Rated Output Power	1000	**Watts**

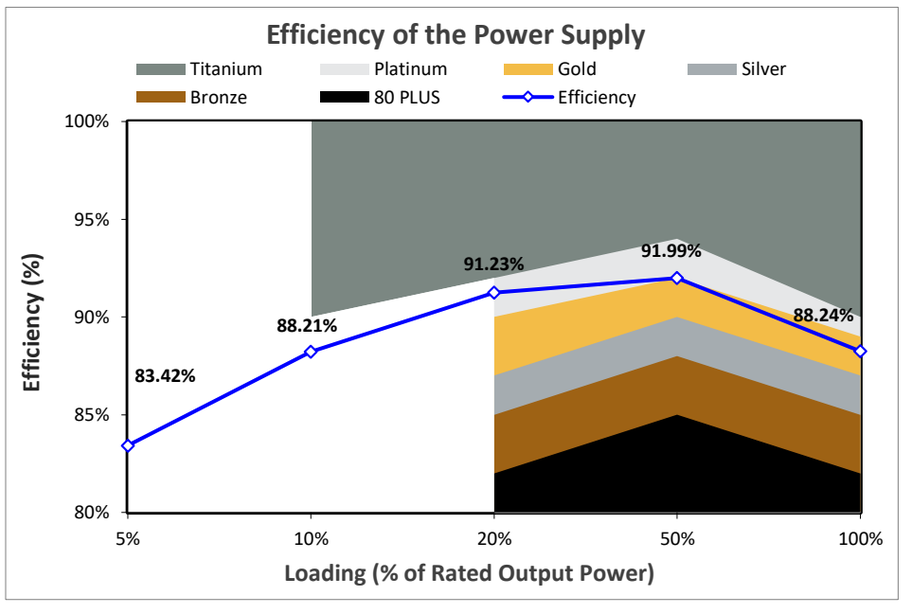
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 14.44%, 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		
0.107	0.3936	19.64	0%	4.85	No-Load						
0.539	**0.9725**	14.29	5%	60.29	12.07/3.73	11.87/0.013	3.3/0.54	5.05/0.54	5.06/0.134	50.30	**83.42%**
1.037	**0.9525**	24.56	10%	113.57	12.01/7.45	11.87/0.027	3.3/1.08	5.05/1.08	5.06/0.268	100.18	**88.21%**
1.981	**0.9641**	21.62	20%	219.60	12.01/14.9	11.87/0.054	3.3/2.16	5.05/2.16	5.05/0.537	200.35	**91.23%**
4.813	**0.9847**	14.44	50%	544.97	12.03/37.25	11.88/0.134	3.3/5.39	5.05/5.39	5.02/1.341	501.32	**91.99%**
9.966	**0.9922**	10.59	100%	1137.19	12.04/74.5	11.89/0.268	3.3/10.78	5.04/10.78	4.97/2.682	1003.40	**88.24%**





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/*