

80 PLUS Verification and Testing Report

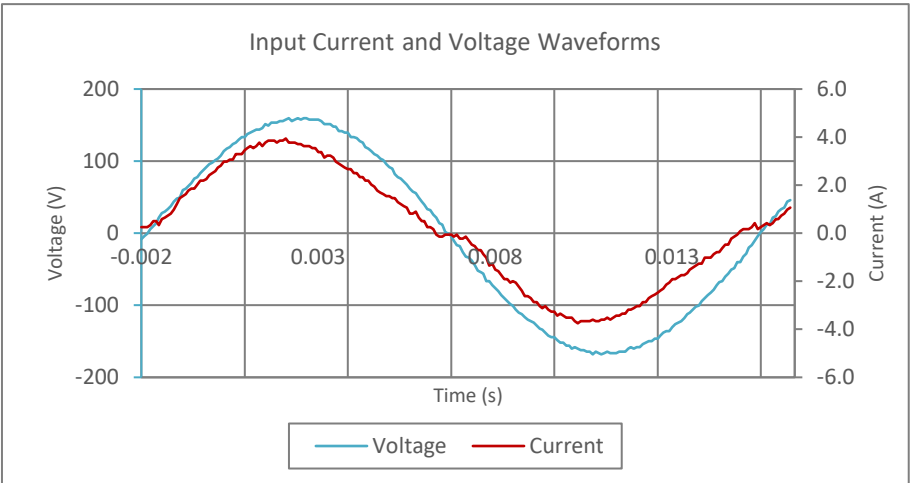
TYPICAL EFFICIENCY (50% Load):	90.64%
AVERAGE EFFICIENCY :	89.44%
80 PLUS COMPLIANT:	YES



ID Number	6282.2
Manufacturer	Chieftec
Model Number	GPF-500G
Serial Number	N/A
Year	2021
Type	TFX
Test Date	1/8/21

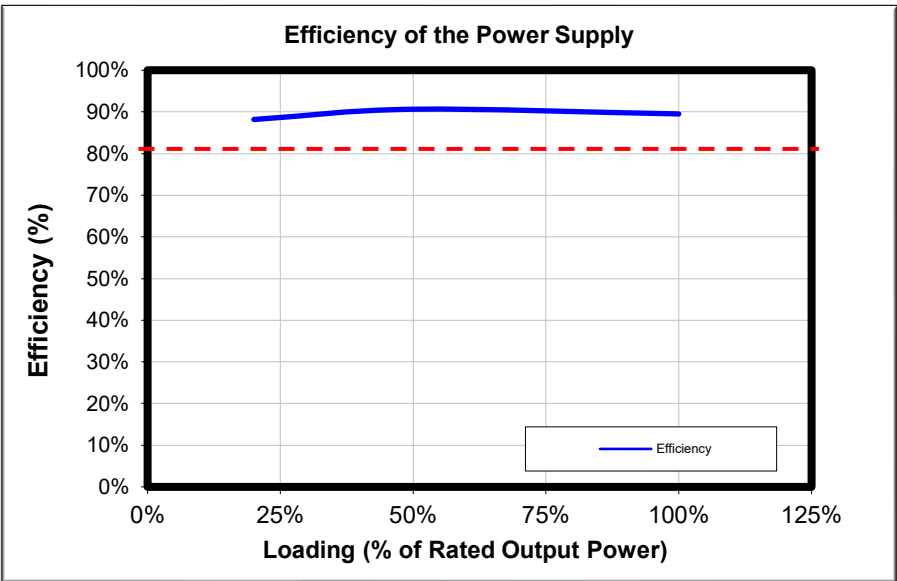
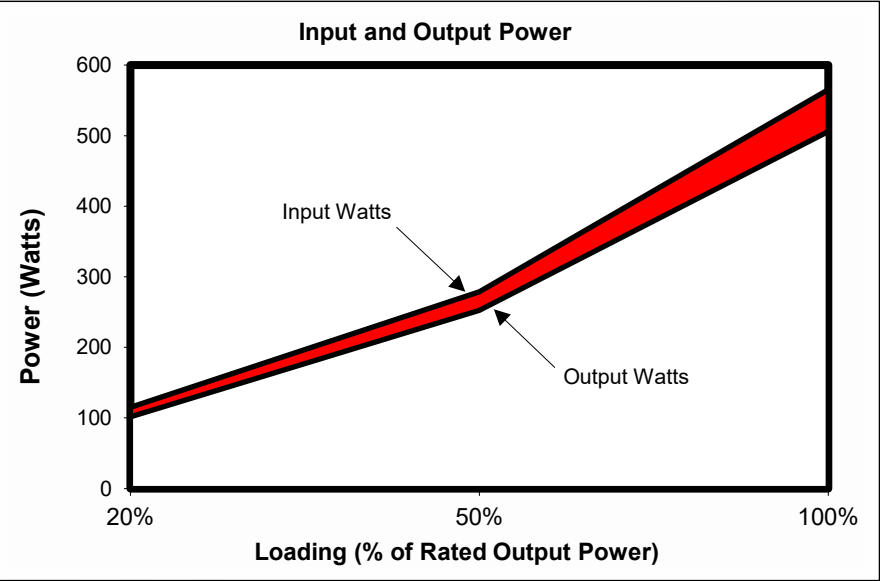
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	47-63	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 10.89%, 50% Load)

I _{RMS}	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	5Vsb		
0.55	0.95	14.29%	10%	60.69	12.04/3.38	12.04/0.02	3.3/0.98	5.04/0.98	5.04/0.2	50.11	82.57%
1.02	0.98	11.43%	20%	115.02	12.15/6.78	12.05/0.05	3.3/1.96	5.04/1.95	5.03/0.41	101.42	88.17%
2.45	0.99	10.89%	50%	278.90	12.11/16.98	12/0.12	3.3/4.9	5.04/4.86	5.02/1.02	252.79	90.64%
4.95	0.99	9.65%	100%	565.20	12.14/33.93	12.32/0.24	3.3/9.8	5.03/9.7	5.01/2.03	505.90	89.51%



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/>