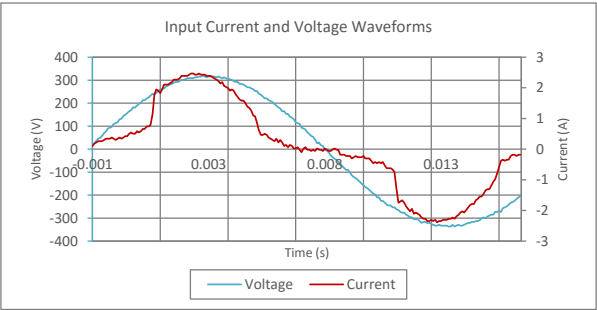


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	88.62%
AVERAGE EFFICIENCY :	87.29%
80 PLUS COMPLIANT:	YES



ID Number	EU-393
Manufacturer	GEMBIRD EUROPE BV
Model Number	CCC-PSU80P-BBP-500
Serial Number	N/A
Year	2017
Type	ATX12V
Test Date	2/13/18

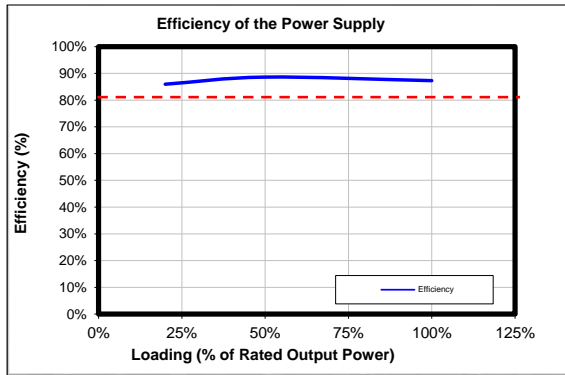
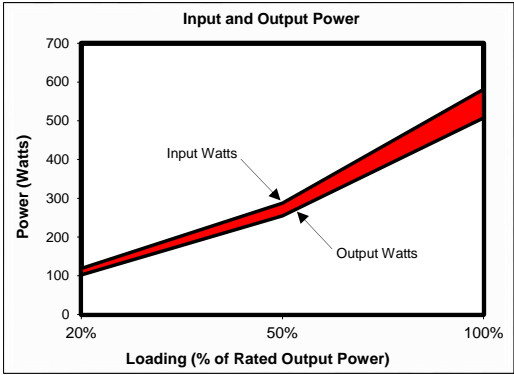


Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	N/A	Amps
Input Frequency	50	Hz
Rated Output Power	500	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.

Input AC Current Waveform (ITHD = 38.27%, 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.)						
0.39	0.71	65.67%	10%	63.42	12.14/3.08	11.95/0.05	3.38/1.19	5.23/1.49	5.2/0.2	50.89	80.24%
0.65	0.79	60.23%	20%	118.59	12.15/6.18	11.96/0.1	3.38/2.39	5.22/2.96	5.19/0.4	101.93	85.95%
1.36	0.92	38.27%	50%	287.40	12.16/15.47	11.95/0.25	3.37/5.96	5.19/7.4	5.18/0.99	254.69	88.62%
2.64	0.96	27.62%	100%	581.20	12.16/30.86	11.96/0.5	3.36/11.91	5.12/14.78	5.15/1.99	507.35	87.29%



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/>

