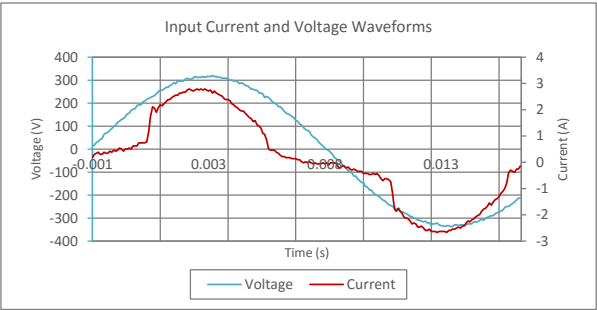


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	88.67%
AVERAGE EFFICIENCY :	87.40%
80 PLUS COMPLIANT:	YES



ID Number	EU-394
Manufacturer	GEMBIRD EUROPE BV
Model Number	CCC-PSU80P-BBP-600
Serial Number	N/A
Year	2017
Type	ATX12V
Test Date	2/13/18

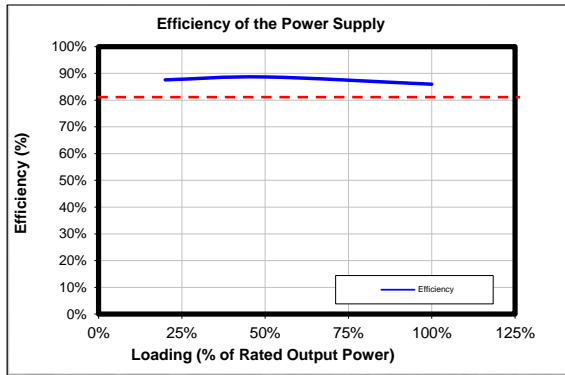
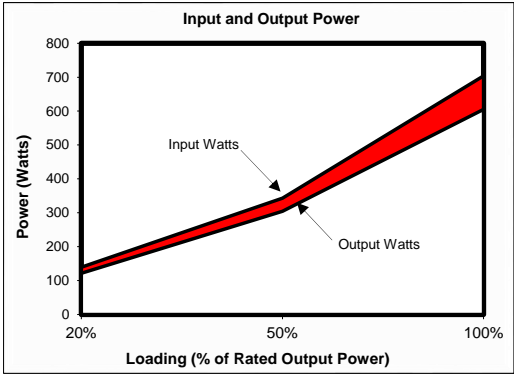


Input AC Current Waveform (ITHD = 33.64%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	N/A	Amps
Input Frequency	50	Hz
Rated Output Power	600	Watts

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

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.)						
0.45	0.71	65.80%	10%	73.32	12.11/3.93	11.9/0.05	3.39/1.2	5.22/1.5	5.17/0.2	61.08	83.31%
0.75	0.81	57.50%	20%	139.20	12.12/7.84	11.9/0.1	3.38/2.4	5.2/2.98	5.16/0.4	121.91	87.58%
1.59	0.94	33.64%	50%	343.20	12.11/19.62	11.89/0.25	3.37/5.99	5.17/7.43	5.18/1	304.33	88.67%
3.16	0.97	23.35%	100%	703.90	12.06/39.21	11.89/0.5	3.35/11.95	5.11/14.85	5.1/2	605.06	85.96%



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/>

