

80 PLUS Verification and Testing Report

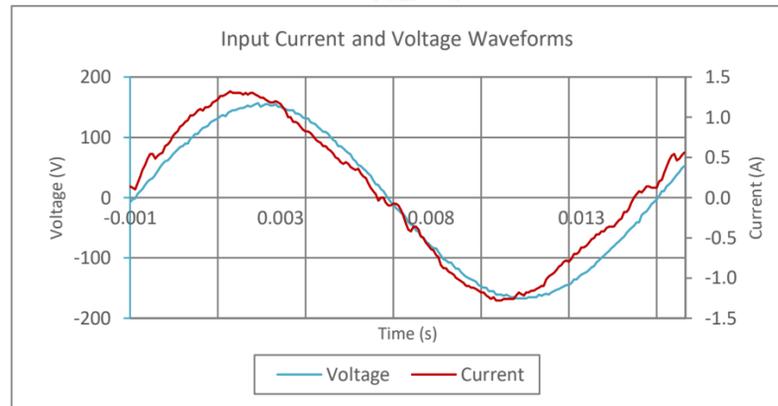
TYPICAL EFFICIENCY (50% Load):	92.72%
AVERAGE EFFICIENCY :	91.21%
80 PLUS COMPLIANT:	YES



ID Number	5619
Manufacturer	Positivo Tecnologia S.A.
Model Number	PI-F180P-I(01)
Serial Number	N/A
Year	2019
Type	FLEX ATX
Test Date	8/5/19

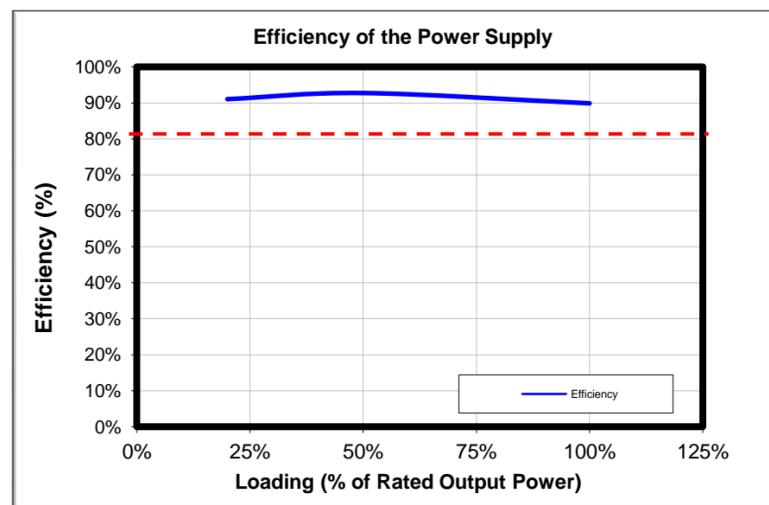
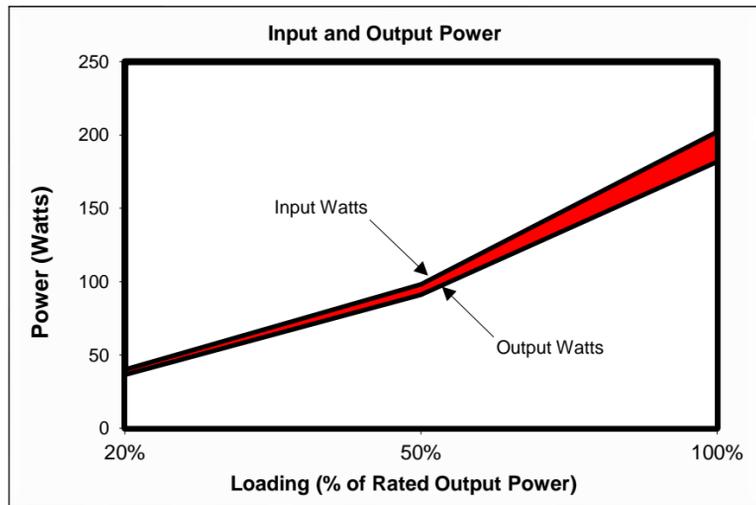
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	180	Watts

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



Input AC Current Waveform (ITHD = 8.34%, 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		
0.22	0.84	17.32%	10%	21.01	12.1/1.04	11.93/0.02	3.39/0.5	5.1/0.5	5.1/0.21	18.16	86.42%
0.37	0.94	10.27%	20%	39.99	12.09/2.09	11.92/0.04	3.38/1.01	5.1/1.01	5.09/0.42	36.40	91.03%
0.87	0.98	8.34%	50%	98.15	12.08/5.24	11.96/0.1	3.37/2.52	5.08/2.51	5.07/1.04	91.01	92.72%
1.78	0.99	8.00%	100%	202.20	12.07/10.49	12.07/0.21	3.35/5.03	5.05/4.99	5.02/2.09	181.71	89.87%



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/>

