

80 PLUS Verification and Testing Report

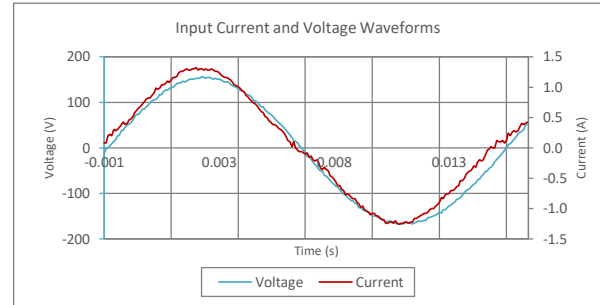
TYPICAL EFFICIENCY (50% Load):	91.28%
AVERAGE EFFICIENCY :	89.93%
80 PLUS COMPLIANT:	YES



ID Number	5577
Manufacturer	Positivo Tecnologia S.A
Model Number	PI-F180G-F(01)
Serial Number	N/A
Year	2019
Type	FLEX ATX
Test Date	6/26/19

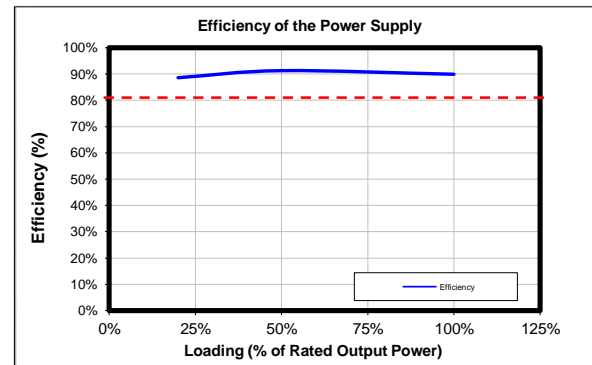
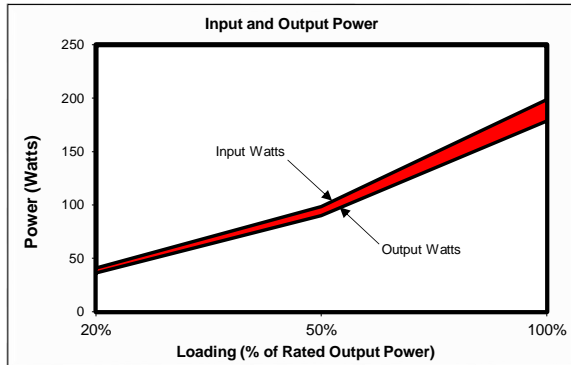
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	2-1	Amps
Input Frequency	60-50	Hz
Rated Output Power	180	Watts

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



Input AC Current Waveform (ITHD = 8.01%, 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		
0.20	0.93	25.53%	10%	21.65	11.96/1.1	11.69/0.02	3.35/0.37	5.09/0.49	5.18/0.15	17.92	82.79%
0.37	0.97	17.89%	20%	40.77	11.94/2.23	11.57/0.04	3.35/0.74	5.09/0.99	5.17/0.3	36.12	88.59%
0.86	0.99	8.01%	50%	98.43	11.88/5.56	11.42/0.11	3.34/1.85	5.09/2.46	5.16/0.74	89.85	91.28%
1.73	1.00	4.46%	100%	198.60	11.79/11.13	11.37/0.22	3.33/3.7	5.08/4.9	5.13/1.48	178.57	89.91%



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/>

