

# 80 PLUS Verification and Testing Report

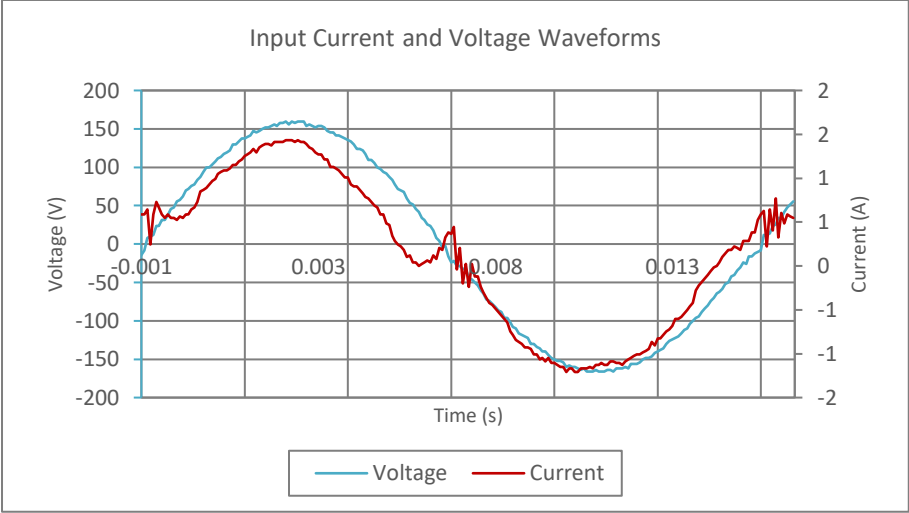
TYPICAL EFFICIENCY (50% Load):	92.74%
AVERAGE EFFICIENCY :	91.51%
80 PLUS COMPLIANT:	YES



ID Number	5228.1
Manufacturer	LOGIN INFORMÁTICA COMÉRCIO E REPRESENTAÇÃO LTD
Model Number	LOG-180P2A
Serial Number	N/A
Year	2017
Type	TFX
Test Date	1/29/18

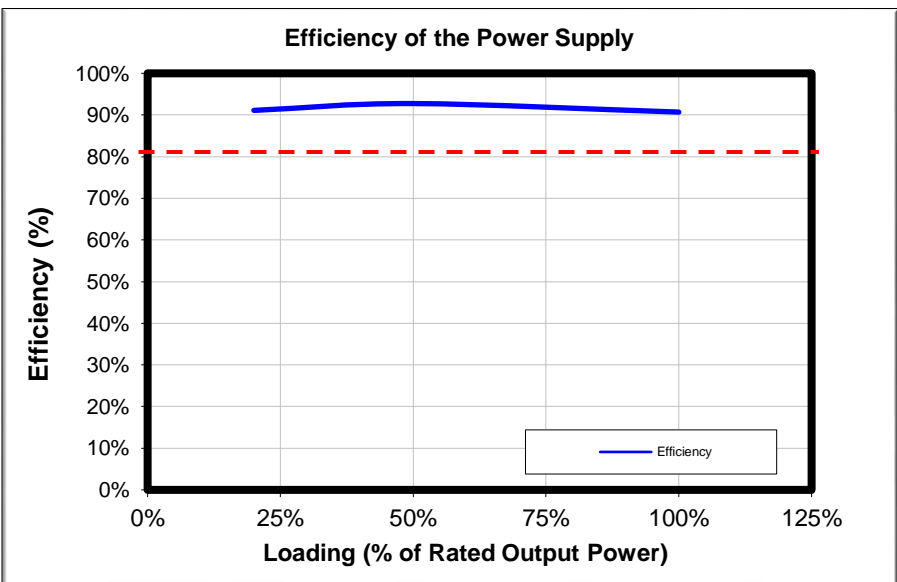
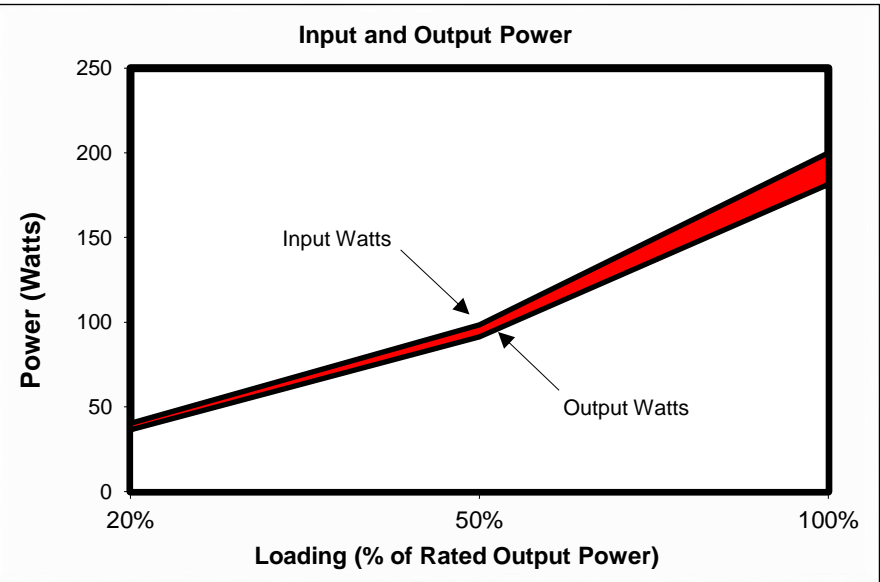
Rated Specifications	Value	Units
Input Voltage	100-127 / 220-240	Volts
Input Current	4/2	Amps
Input Frequency	47-63	Hz
Rated Output Power	180	Watts

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



Input AC Current Waveform (ITHD = 13.33%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)	Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)		
0.24	0.77	25.91%	10%	21.36	12.2/1.5	18.32	85.76%
0.39	0.90	22.96%	20%	40.18	12.18/3.01	36.61	91.10%
0.88	0.97	13.33%	50%	98.59	12.13/7.54	91.43	92.74%
1.76	0.99	6.63%	100%	199.99	12.04/15.07	181.38	90.69%



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/>

