

80 PLUS Verification and Testing Report

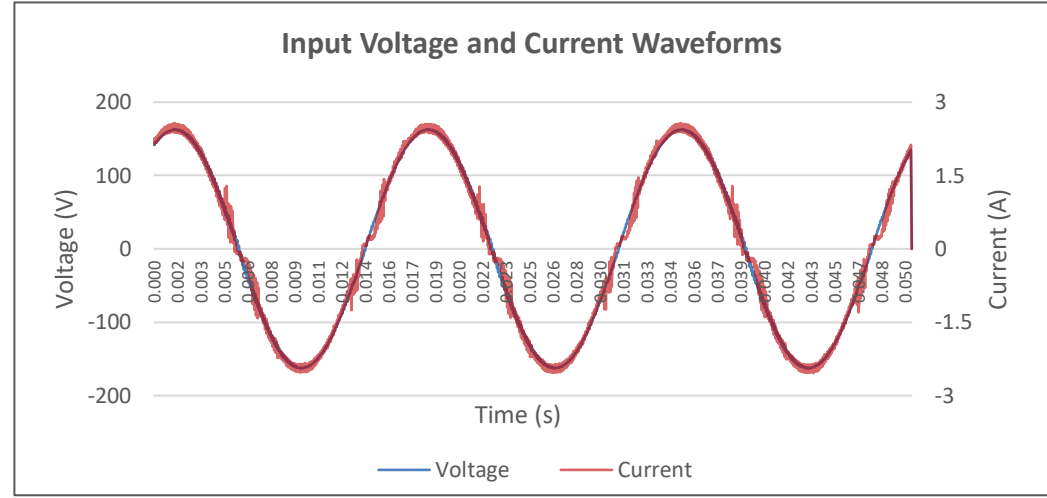
TYPICAL EFFICIENCY (50% Load):	91.79%
AVERAGE EFFICIENCY :	88.12%
80 PLUS COMPLIANT:	Gold



ID Number	7569
Manufacturer	HP, Inc.
Model Number	D23-180P1A
Serial Number	T6O071000165
Type	CUSTOM
Test Date	9/26/24

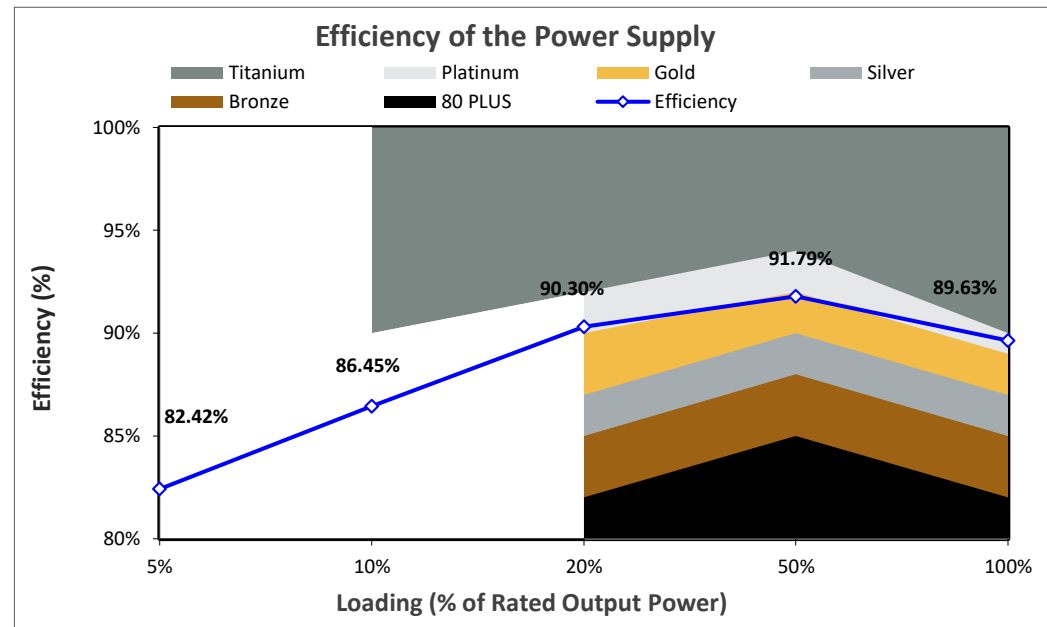
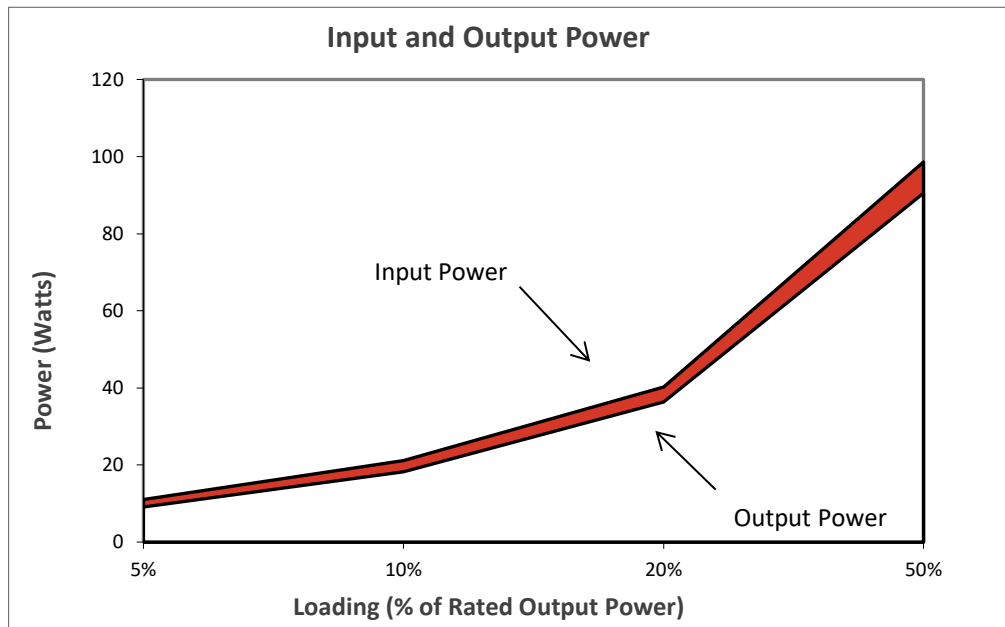
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	2.3	Amps
Input Frequency	50-60	Hz
Rated Output Power	180	Watts

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



Input AC Current Waveform (ITHD = 5.35%, 50% Load)

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
					12.1V			
0.062	0.0554	2.96	0%	0.73	No-Load			
0.130	0.7392	22.45	5%	11.07	12.26/0.75		9.12	82.42%
0.205	0.8937	15.42	10%	21.08	12.25/1.49		18.22	86.45%
0.363	0.9662	9.38	20%	40.29	12.23/2.98		36.38	90.30%
0.860	0.9964	5.35	50%	98.60	12.17/7.44		90.50	91.79%
1.744	0.9975	4.46	100%	200.04	12.05/14.88		179.29	89.63%



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/>