

# 80 PLUS Verification and Testing Report

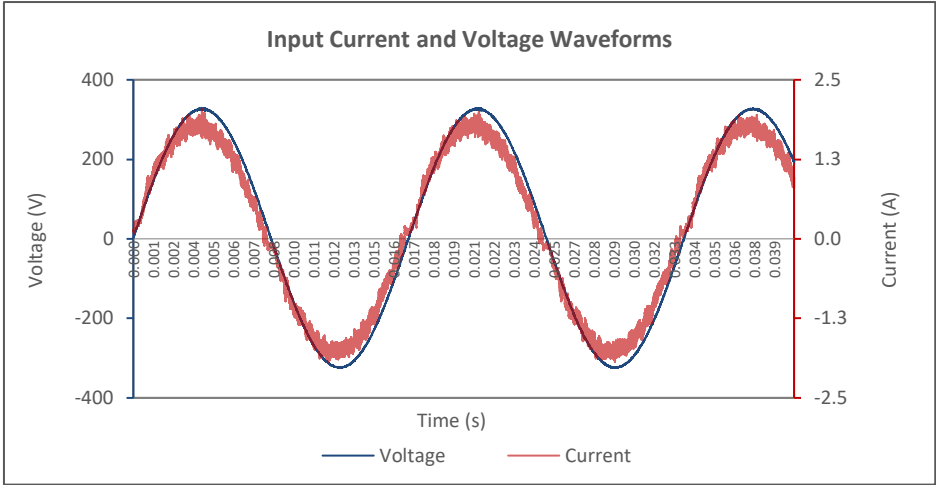
TYPICAL EFFICIENCY (50% Load):	94.19%
AVERAGE EFFICIENCY :	89.31%
80 PLUS COMPLIANT:	Platinum



ID Number	SO-2652
Manufacturer	Delta Electronics, Inc.
Model Number	DPS-550AB-47 J
Serial Number	LLAT2436000423
Type	1U
Test Date	03/18/25

Rated Specifications	Value	Units
Input Voltage	100-127/200-240	Volts
Input Current	7.5-3.9	Amps
Input Frequency	47-63	Hz
Rated Output Power	550	Watts

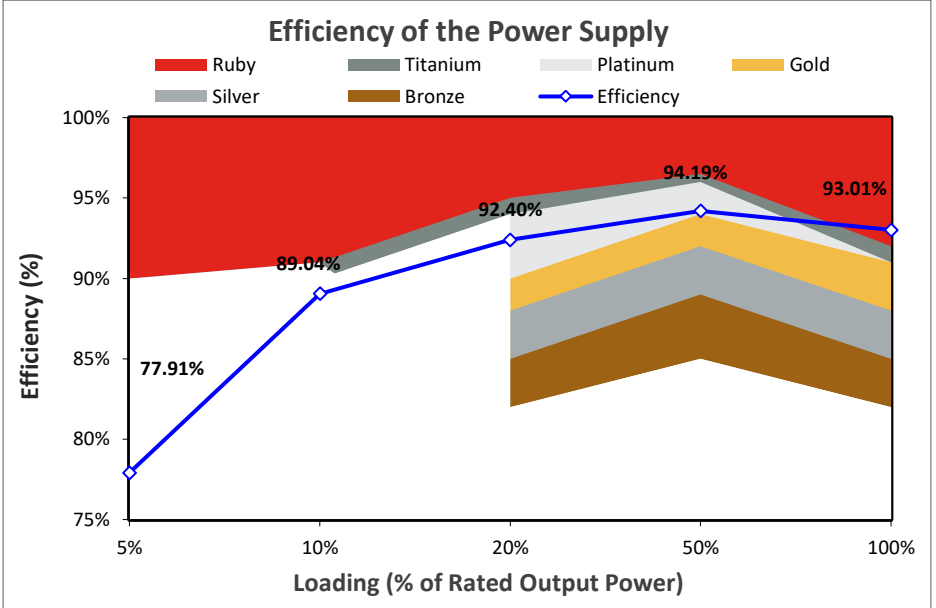
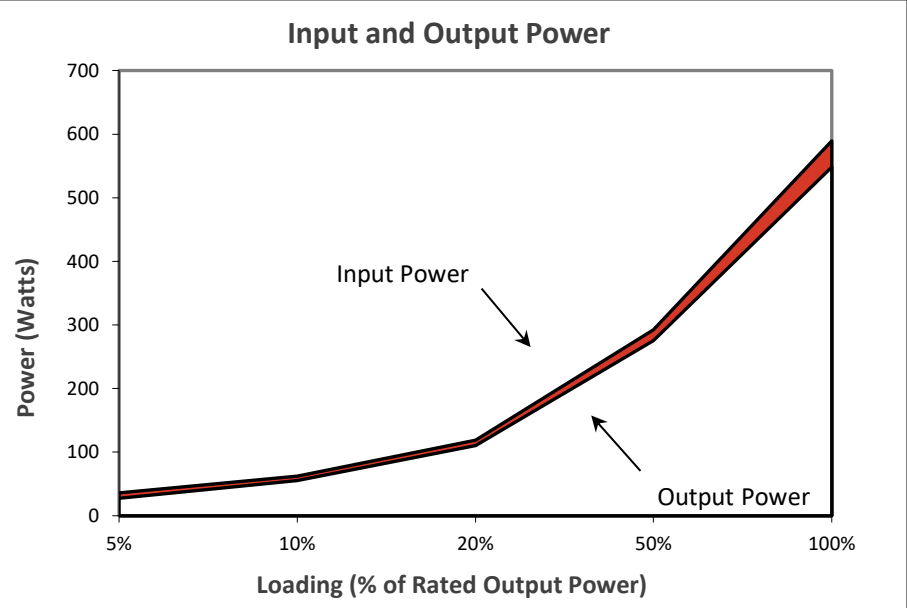
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 3.96%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub> (%)	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
							12V	12Vsb		
0.095	0.1142	16.676	0%	No-Load	2.71	2.60	No-Load			
0.195	0.7939	19.984	5%	Minimum	35.65	2.62	12.136/2.148	12.071/0.142	27.78	77.91%
0.294	0.9211	11.877	10%	Low	62.30	2.62	12.123/4.296	12.050/0.282	55.47	89.04%
0.531	0.9755	5.737	20%	Light	119.16	2.52	12.022/8.594	12.028/0.564	110.10	92.40%
1.278	0.9936	3.961	50%	Typical	292.04	2.57	12.005/21.506	12.000/1.409	275.09	94.19%
2.570	0.9973	3.847	100%	Full	589.32	4.43	11.970/43.010	11.819/2.816	548.11	93.01%

\* Fan power is not included in the efficiency calculations, external fan voltage applied = 12.01Vdc



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.  
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