

80 PLUS Verification and Testing Report

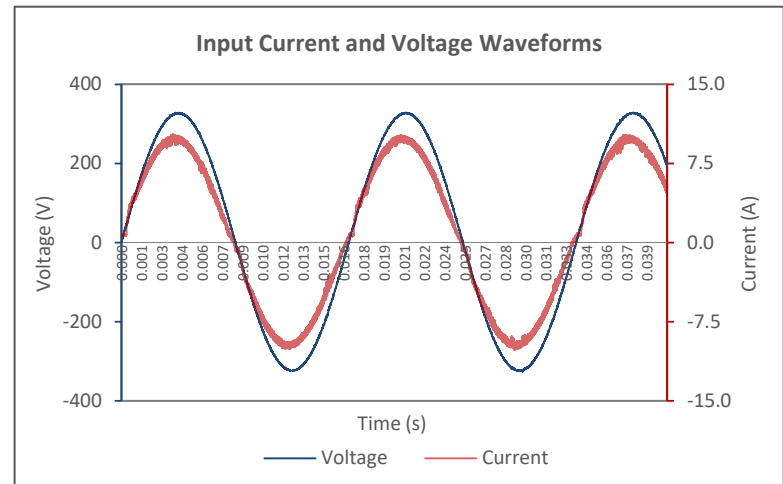
TYPICAL EFFICIENCY (50% Load):	96.23%
AVERAGE EFFICIENCY :	92.53%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2522
Manufacturer	Delta Electronics, Inc.
Model Number	TDPS-3000BB A
Serial Number	KKST2420000112
Type	1U
Test Date	09/05/24

Rated Specifications	Value	Units
Input Voltage	100-127/200-240	Volts
Input Current	15/16	Amps
Input Frequency	50-60	Hz
Rated Output Power	3,000	Watts

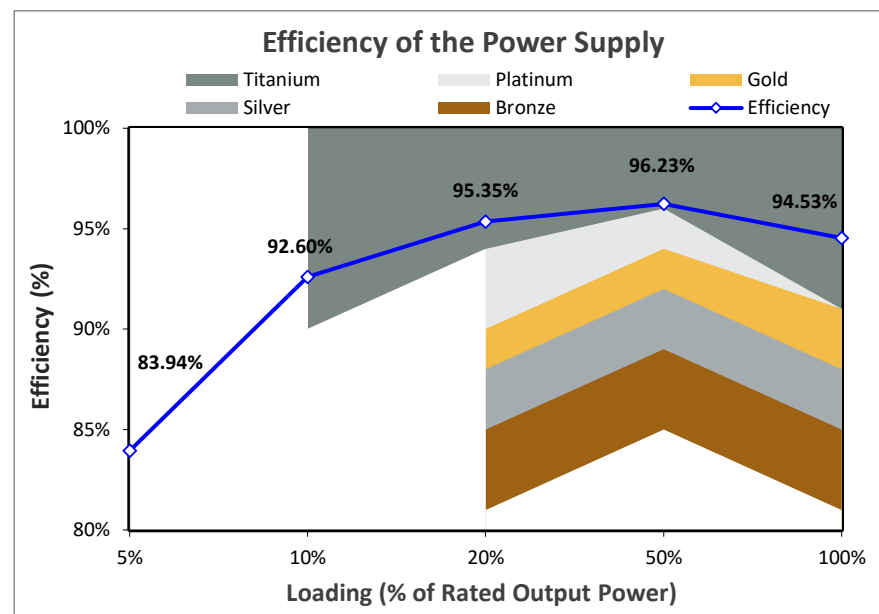
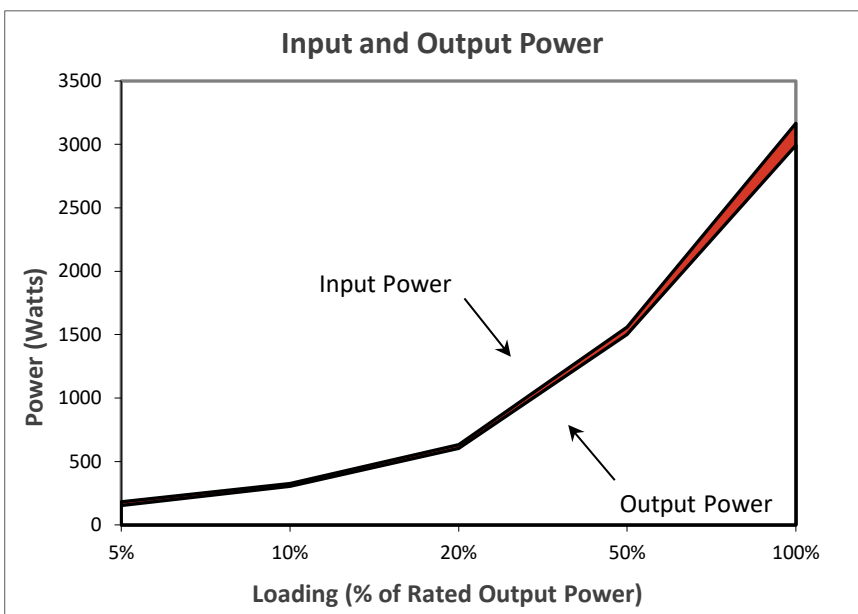
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 3.01%, 50% Load)

I _{RMS}	PF	I _{THD} (%)	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
							12V	12Vsb		
0.475	0.0540	3.634	0%	No-Load	5.89	39.50	No-Load			
0.915	0.8560	9.639	5%	Minimum	180.14	39.37	12.12/12.33	12.11/0.15	151.21	83.94%
1.518	0.9359	9.315	10%	Low	326.68	39.36	12.1/24.7	12.09/0.3	302.50	92.60%
2.841	0.9689	8.456	20%	Light	633.14	39.37	12.08/49.4	12.06/0.59	603.72	95.35%
6.813	0.9953	3.007	50%	Typical	1559.39	39.28	12.01/123.52	11.99/1.48	1500.65	96.23%
13.779	0.9990	2.430	100%	Full	3166.11	39.01	11.97/247.06	11.95/2.96	2992.92	94.53%

* 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. <http://www.80plus.org/>