

80 PLUS Verification and Testing Report

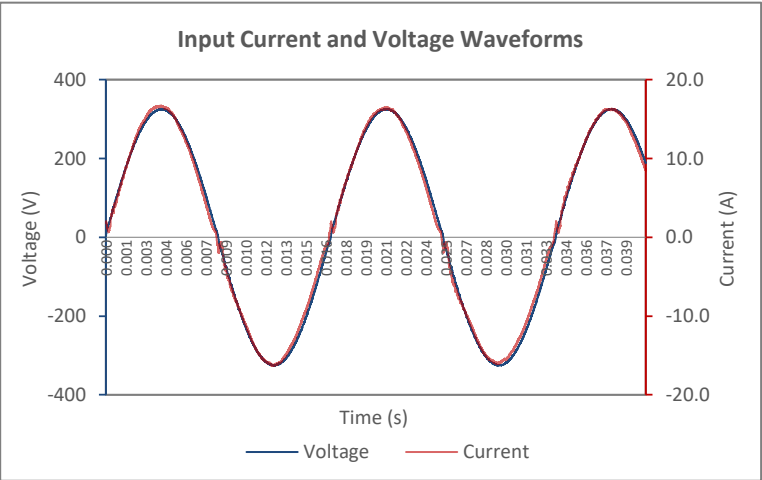
TYPICAL EFFICIENCY (50% Load):	96.16%
AVERAGE EFFICIENCY :	94.90%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2338
Manufacturer	Delta Electronics, Inc.
Model Number	DPST-5030AB B
Serial Number	KBU232900322AE
Year	2023
Type	CUSTOM
Test Date	10/27/23

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	24	Amps
Input Frequency	50/60	Hz
Rated Output Power	5,200	Watts

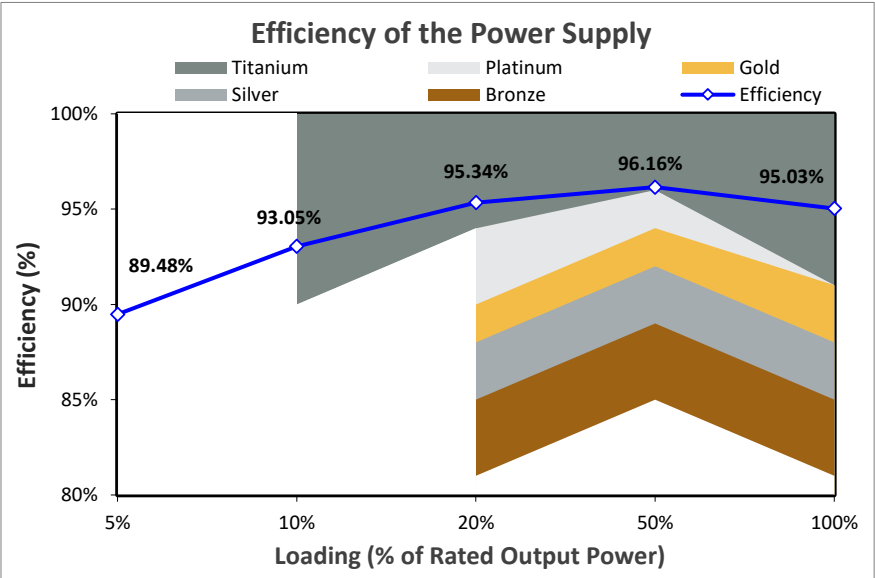
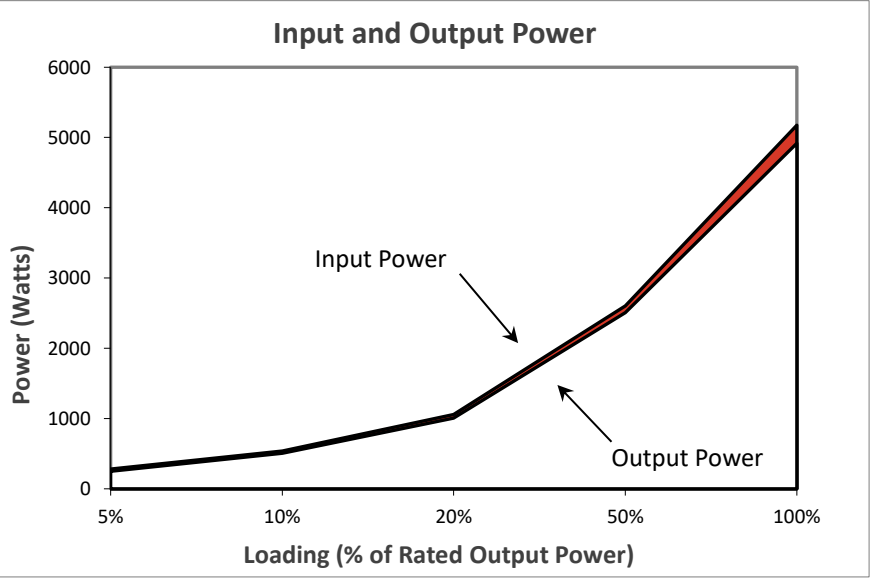
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 3.42%, 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
							54V	12Vsb		
0.722	0.0376	2.943	0%	No-Load	6.24	5.02	No-Load			
1.417	0.8637	4.281	5%	Minimum	281.55	4.87	54.47/4.59	12.17/0.15	251.94	89.48%
2.457	0.9572	6.387	10%	Low	540.71	4.84	54.42/9.18	12.1/0.3	503.14	93.05%
4.644	0.9872	5.132	20%	Light	1054.50	4.83	54.35/18.37	12.14/0.6	1005.39	95.34%
11.344	0.9983	3.417	50%	Typical	2604.78	4.74	54.07/45.99	11.99/1.49	2504.67	96.16%
22.526	0.9989	4.005	100%	Full	5175.37	35.17	53.06/92.02	11.82/2.98	4918.08	95.03%

* Fan power is not included in the efficiency calculations, external fan voltage applied = 12Vdc



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/>