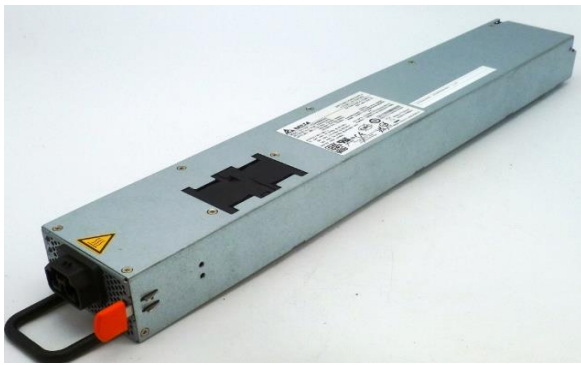


# 80 PLUS Verification and Testing Report

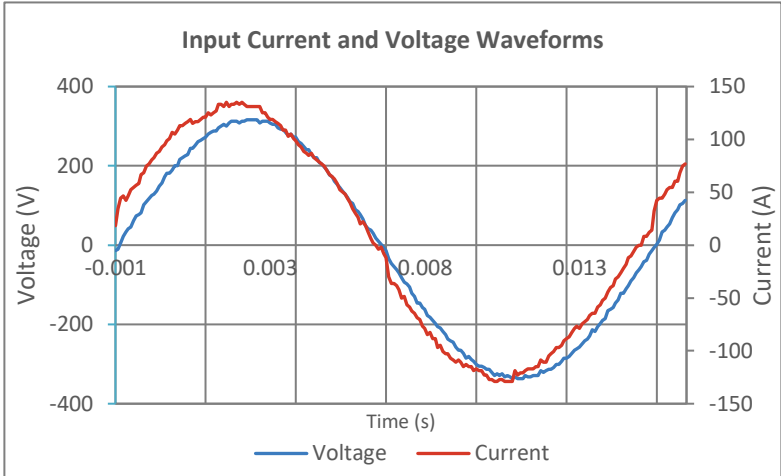
TYPICAL EFFICIENCY (50% Load):	96.02%
AVERAGE EFFICIENCY :	95.38%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-1629.2
Manufacturer	Delta Electronics, Inc.
Model Number	DTQ4000BW54B31
Serial Number	THAH11934000L
Year	2019
Type	1U
Test Date	11/26/19

Rated Specifications	Value	Units
Input Voltage	100-120 / 200-240	Volts
Input Current	23	Amps
Input Frequency	50/60	Hz
Rated Output Power	4,000	Watts

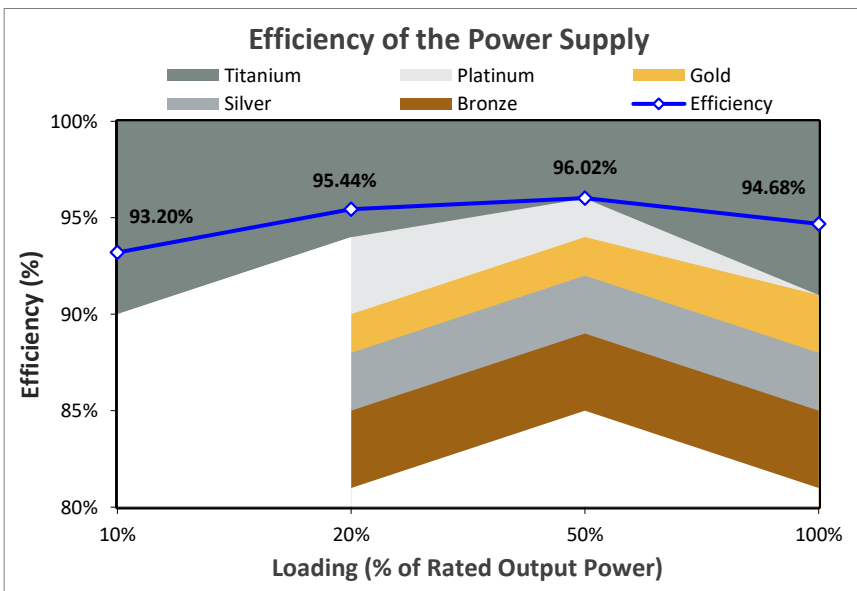
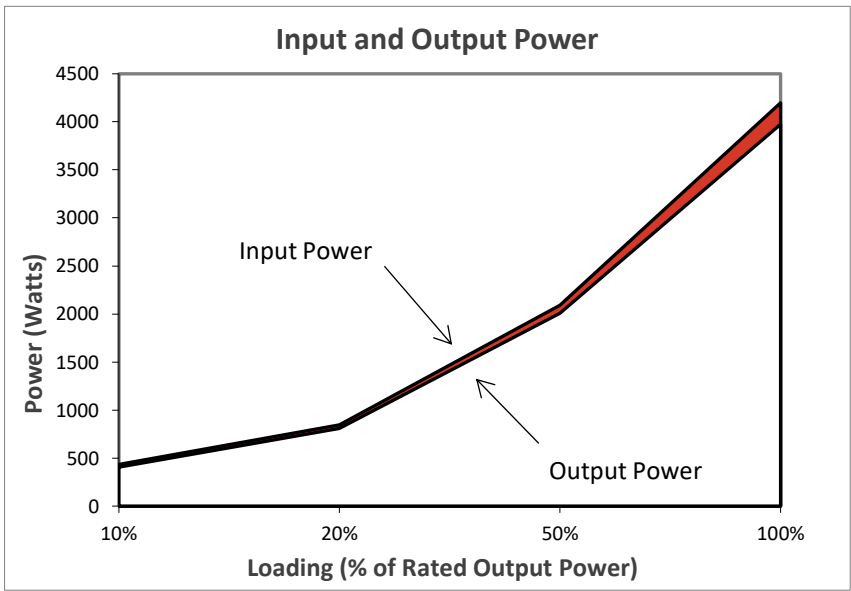
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 4.29%, 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
							54V	12Vsb		
1.943	0.9706	8.13%	10%	Low	433.70	3.72	54.42/7.36	12.11/0.3	404.21	93.20%
3.727	0.9861	7.07%	20%	Light	845.30	3.72	54.32/14.72	12.09/0.6	806.78	95.44%
9.094	0.9986	4.29%	50%	Typical	2088.70	3.72	54.02/36.79	12.02/1.49	2005.58	96.02%
18.261	0.9996	2.20%	100%	Full	4198.00	10.44	53.53/73.59	11.9/2.99	3974.51	94.68%

\* Fan power is not included in the efficiency calculations



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/>