80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	96.26%
AVERAGE EFFICIENCY :	94.29%
80 PLUS COMPLIANT:	Titanium

ID Number	SO-2644				
Manufacturer	Delta Electronics, Inc.				
Model Number	DLG2001BM12C31				
Serial Number	DGPQH24450008				
Туре	10				
Test Date	03/06/25				

Rated Specifications	Value	Units
Input Voltage	200-220/220-240	Volts
Input Current	10/10	Amps
Input Frequency	50/60	Hz
Rated Output Power	2,000	Watts

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

Input AC Current Waveform (ITHD = 2.64%, 50% Load)

Time (s)

– Voltage

Input Current and Voltage Waveforms

).018).019).021).022).023

.011 .012 .013 .013 8.0

4.0

0.0

-4.0

-8.0

.036 .038 .038 .038

.028 .029 .030

----- Current

Current (A)

I _{RMS}	DE	I _{THD (%)} Load		Land	Fraction	Input	External	DC Terminal Voltage (V)/ DC Load Current (A)	Output	Efficiency
	PF		Load	of Load	Watts	Fan (W)*	12.2V	Watts	Efficiency	
0.314	0.1375	4.498	0%	No-Load	9.93	2.00	No-Load			
0.598	0.8231	8.714	5%	Minimum	113.19	1.99	12.483/8.204	102.41	90.48%	
1.006	0.9374	8.029	10%	Low	216.96	1.98	12.472/16.404	204.59	94.30%	
1.884	0.9802	5.512	20%	Light	424.79	1.98	12.457/32.784	408.40	96.14%	
4.572	0.9972	2.644	50%	Typical	1048.72	1.97	12.320/81.940	1009.53	96.26%	
9.198	0.9990	2.618	100%	Full	2113.68	10.78	12.151/163.943	1992.07	94.25%	

400

200

0

-200

-400

002

Voltage (V)

* 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. https://www.clearesult.com/80plus/ [clearesult.com]

