80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	94.53%
AVERAGE EFFICIENCY :	89.60%
80 PLUS COMPLIANT:	Platinum

ID Number	SO-2550				
Manufacturer	r Delta Electronics, Inc.				
Model Number	DPS-500AB-70 A				
Serial Number	DCA2832K01D				
Туре	10				
Test Date	10/17/24				

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6-3	Amps
Input Frequency	50/60	Hz
Rated Output Power	500	Watts



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

I _{RMS} PF	DE	I _{THD (%)}	Load	Fraction	Input	External	DC Terminal Voltage (V)/ DC Load Current (A)	Output	Efficiency
	PF			of Load	Watts	Fan (W)*	-56V	Watts	Efficiency
0.070	0.1768	26.883	0%	No-Load	2.85	0.89	No-Load		
0.171	0.8046	24.824	5%	Minimum	31.60	0.89	56/0.45	25.25	79.88%
0.268	0.9199	16.738	10%	Low	56.79	0.89	56.03/0.89	49.63	87.39%
0.489	0.9701	9.205	20%	Light	109.05	0.89	56.02/1.79	100.16	91.85%
1.160	0.9916	6.805	50%	Typical	264.56	0.89	56.04/4.46	250.09	94.53%
2.314	0.9966	4.333	100%	Full	530.50	1.48	56.03/8.93	500.54	94.35%

* Fan power is not included in the efficiency calculations, external fan voltage applied = 12.02Vdc







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/