

# 80 PLUS Verification and Testing Report

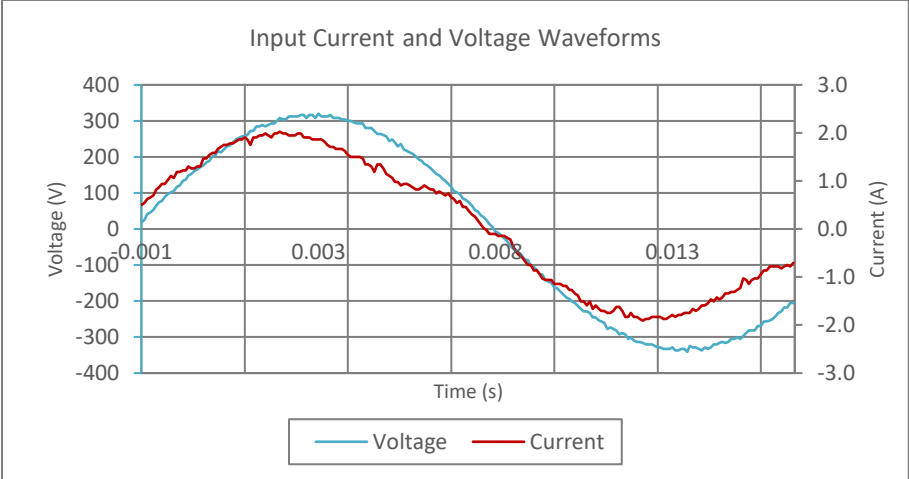
TYPICAL EFFICIENCY (50% Load):	86.66%
AVERAGE EFFICIENCY :	84.62%
80 PLUS COMPLIANT:	YES



ID Number	EU-459
Manufacturer	Guangzhou Lianjie Electronics Technology Co.,Ltd
Model Number	500W ROHS Standard
Serial Number	N/A
Year	2018
Type	ATX12V
Test Date	11/19/18

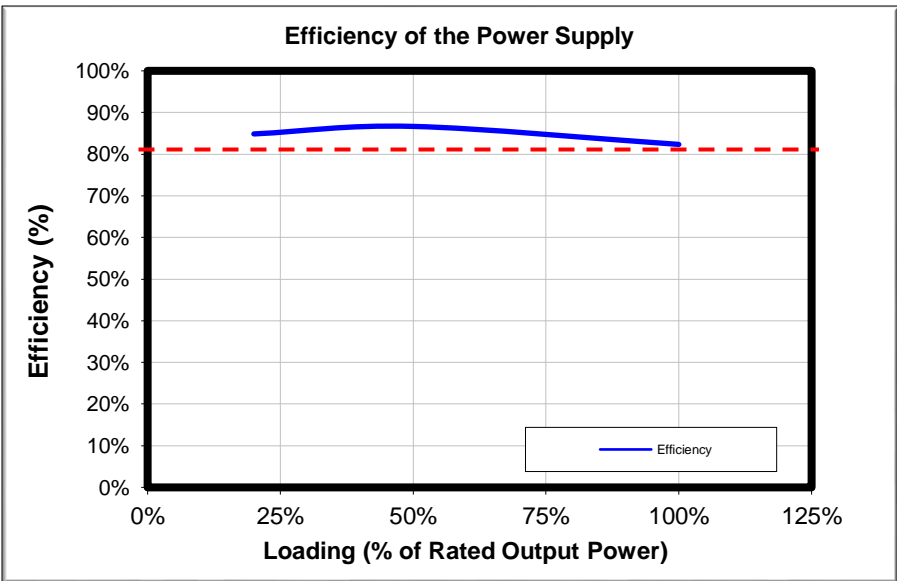
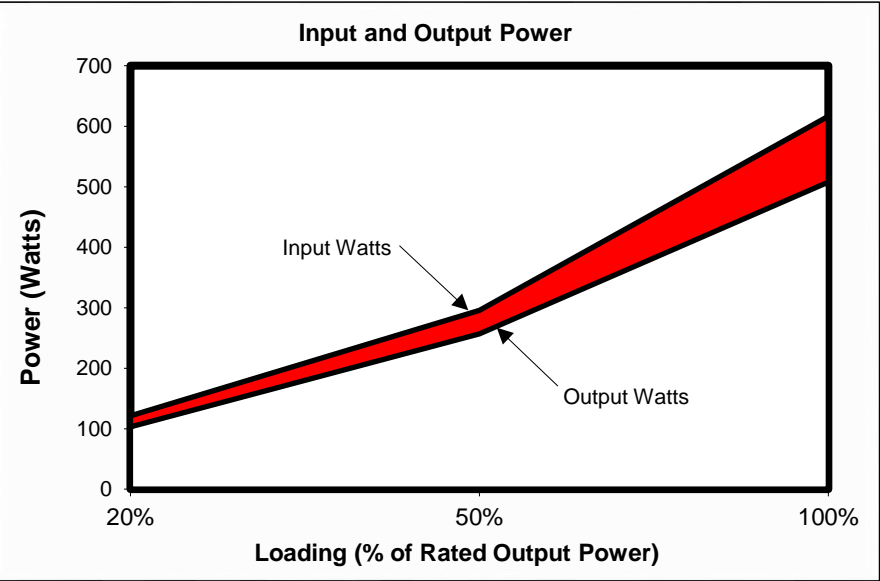
Rated Specifications	Value	Units
Input Voltage	220-240	Volts
Input Current	5	Amps
Input Frequency	60	Hz
Rated Output Power	500	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 9.35%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vsb		
0.48	0.59	72.92%	10%	64.72	12.33/3.31	12.25/0.05	3.4/0.96	5.12/1.16	5.15/0.2	51.66	79.82%
0.65	0.80	53.41%	20%	121.16	12.33/6.59	12.28/0.1	3.39/1.93	5.1/2.3	5.13/0.4	102.81	84.86%
1.31	0.98	9.35%	50%	295.80	12.3/16.52	12.34/0.25	3.34/4.82	5.05/5.73	5.06/1	256.34	86.66%
2.82	0.95	26.47%	100%	616.40	12.23/32.99	12.52/0.5	3.25/9.65	4.95/11.46	4.93/1.99	507.53	82.34%



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/>

