

# 80 PLUS Verification and Testing Report

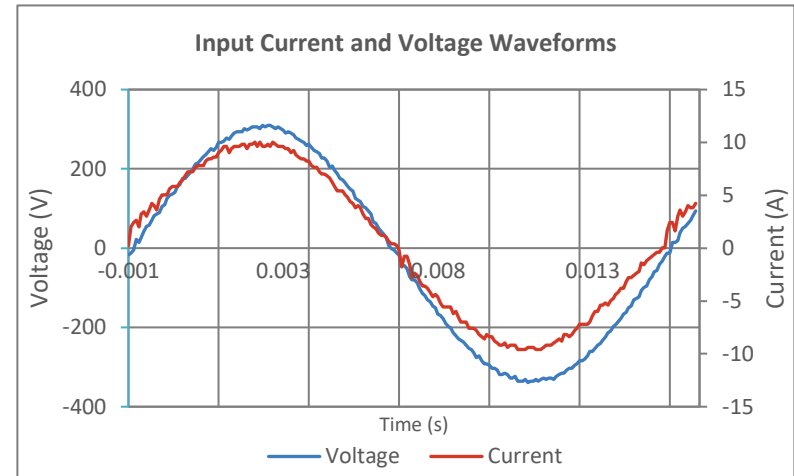
TYPICAL EFFICIENCY (50% Load):	96.22%
AVERAGE EFFICIENCY :	95.48%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2198
Manufacturer	Lite-On Technology Corporation
Model Number	PS-2302-3N3R
Serial Number	6U3N301012374NL
Year	2022
Type	1U
Test Date	01/03/23

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	16	Amps
Input Frequency	50/60	Hz
Rated Output Power	3,000	Watts

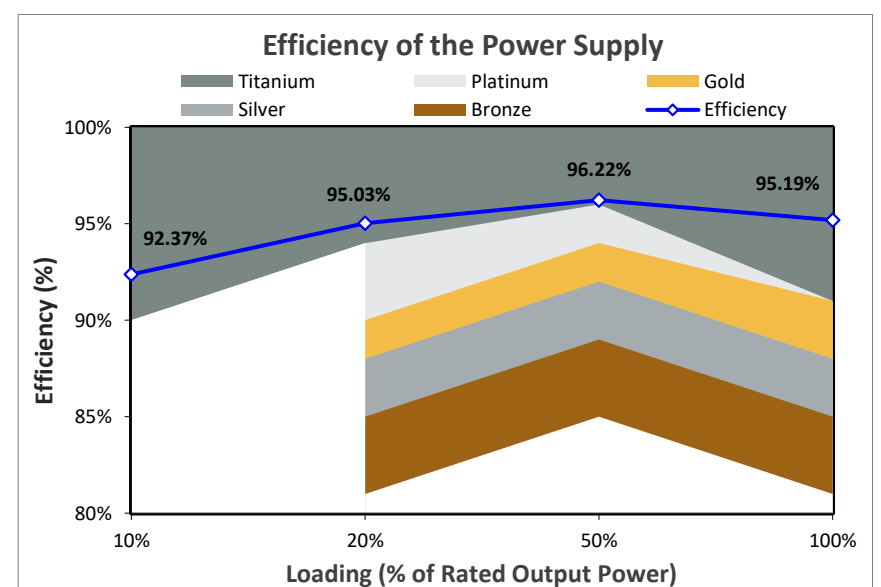
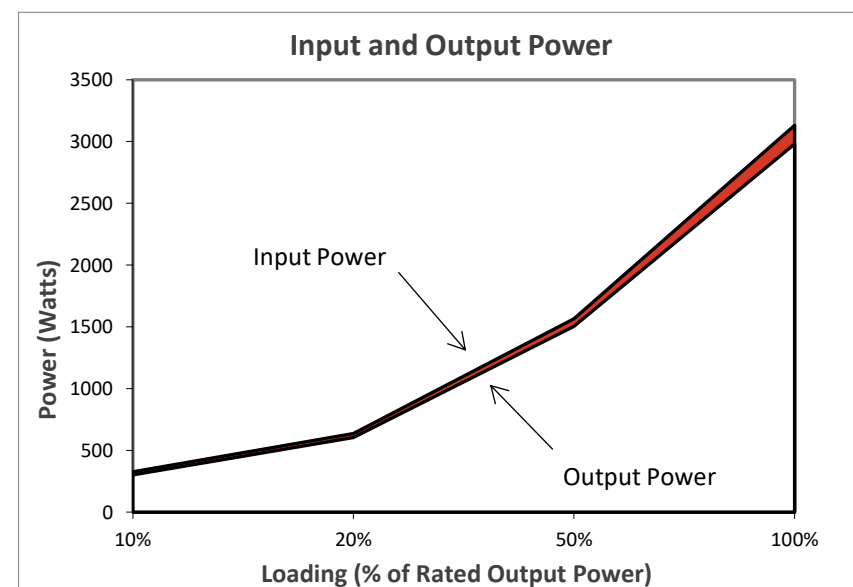
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 2.389%, 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		
1.511	0.9429	9.17%	10%	Low	327.60	2.08	54.42/5.49	12.15/0.3	302.62	92.37%
2.818	0.9803	4.97%	20%	Light	635.42	2.06	54.32/10.99	12.11/0.59	603.84	95.03%
6.848	0.9928	2.39%	50%	Typical	1564.08	15.25	54/27.54	12.05/1.49	1505.03	96.22%
13.667	0.9963	1.46%	100%	Full	3131.28	16.63	53.46/55.09	11.96/2.98	2980.69	95.19%

\* 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/>