

# 80 PLUS Verification and Testing Report

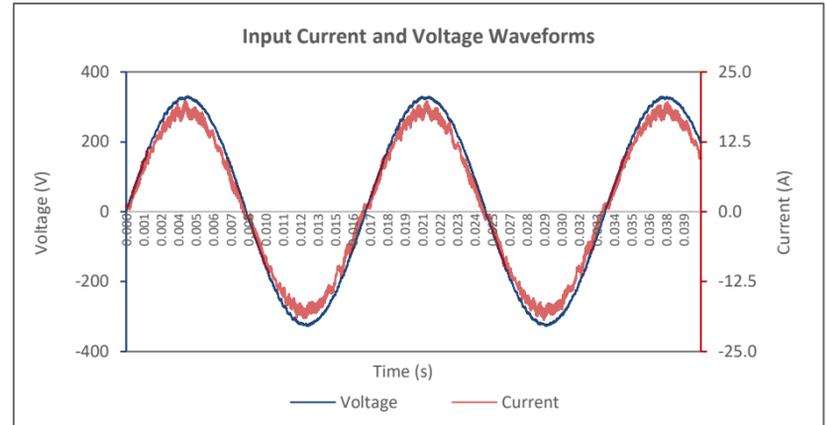
TYPICAL EFFICIENCY (50% Load):	96.76%
AVERAGE EFFICIENCY :	92.68%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2631
Manufacturer	Lite-On Technology Corporation
Model Number	SP-2552-1R
Serial Number	6PL1R01X443323Z
Type	1U
Test Date	02/05/25

Rated Specifications	Value	Units
Input Voltage	200-277	Volts
Input Current	32	Amps
Input Frequency	50/60	Hz
Rated Output Power	5,500	Watts

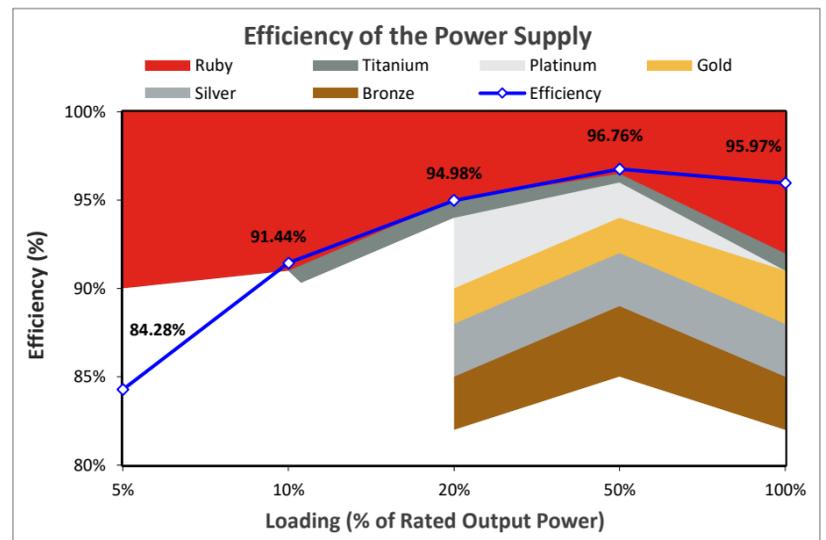
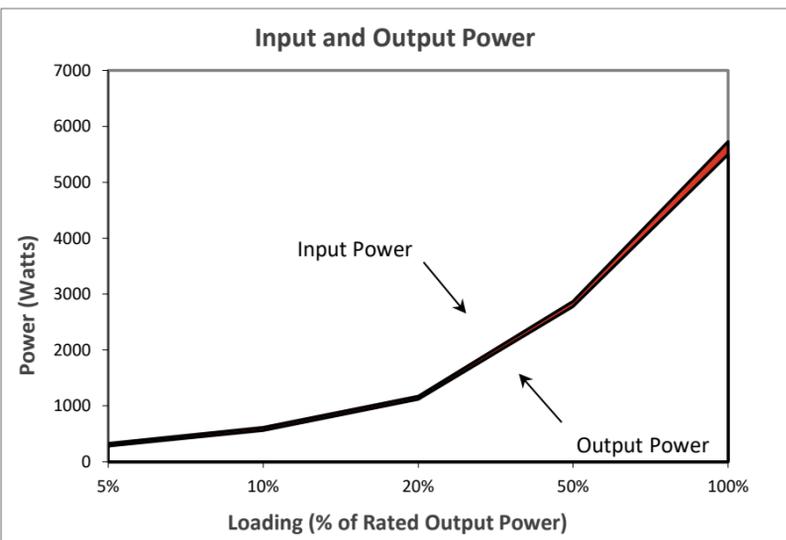
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 3.23%, 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
							49V	12Vsb		
0.574	0.1960	39.512	0%	No-Load	25.88	0.87	No-Load			
1.607	<b>0.8978</b>	7.169	5%	Minimum	331.98	0.71	49.912/5.593	12.310/0.050	279.77	84.28%
2.749	<b>0.9702</b>	6.409	10%	Low	613.49	0.64	49.892/11.219	12.287/0.100	560.96	91.44%
5.152	<b>0.9926</b>	5.692	20%	Light	1176.10	0.64	49.784/22.389	12.259/0.201	1117.05	94.98%
12.513	<b>0.9979</b>	3.234	50%	Typical	2872.04	0.64	49.482/56.038	12.211/0.499	2778.94	96.76%
24.954	<b>0.9982</b>	3.424	100%	Full	5727.81	3.41	48.935/112.082	12.162/0.998	5496.91	95.97%

\* Fan power is not included in the efficiency calculations, external fan voltage applied = 12.52Vdc



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.clearexult.com/80plus/> [clearexult.com]