

# 80 PLUS Verification and Testing Report

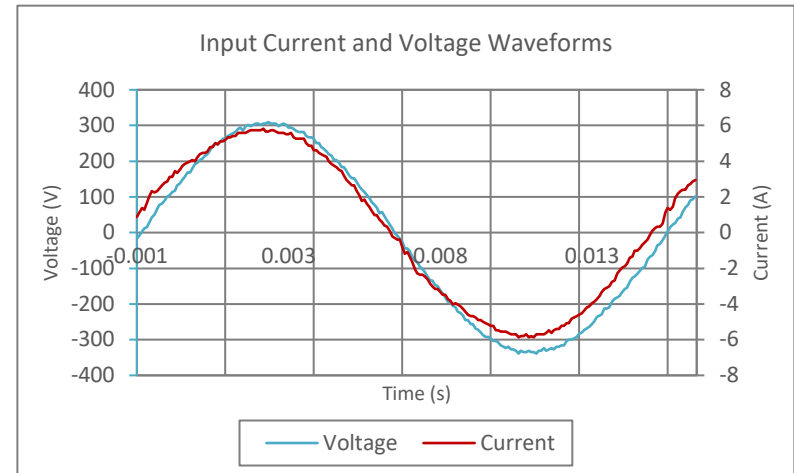
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>96.17%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>95.44%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	SO-1886.1
<b>Manufacturer</b>	Lite-On Technology Corporation
<b>Model Number</b>	PS-2182-3D1
<b>Serial Number</b>	LID02202900187
<b>Year</b>	2021
<b>Type</b>	1U
<b>Test Date</b>	04/26/21

Rated Specifications	Value	Units
Input Voltage	100-120/200-240	Volts
Input Current	12/10	Amps
Input Frequency	50/60	Hz
Rated Output Power	1,800	Watts

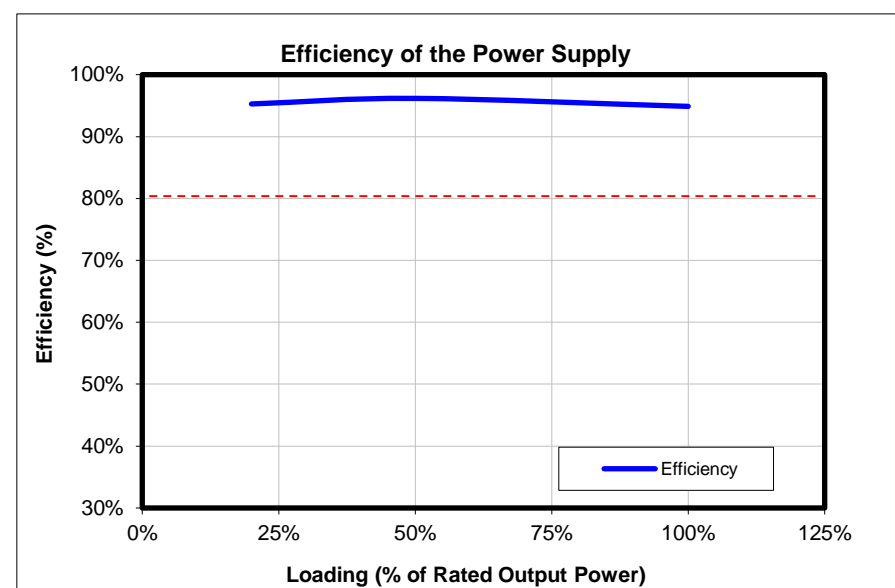
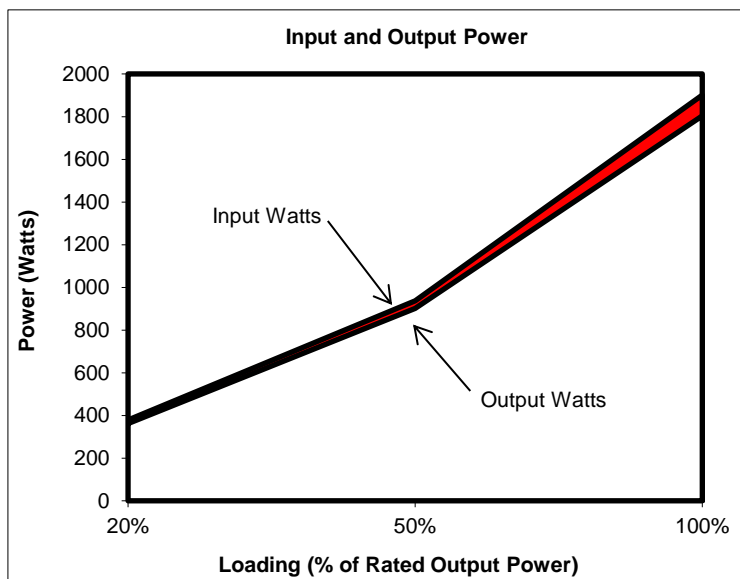
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 3.24%, 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
							12.25V	12Vsb		
0.94	0.90	11.46%	10%	Low	195	2.24	12.26/14.44	12.09/0.3	181	92.60%
1.71	0.97	8.55%	20%	Light	379	2.24	12.26/28.87	12.07/0.6	361	95.26%
4.11	0.99	3.24%	50%	Typical	938	2.24	12.25/72.18	12/1.5	902	96.17%
8.28	1.00	1.78%	100%	Full	1901	13.86	12.25/144.35	11.87/3	1804	94.87%

\* 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/>