

# 80 PLUS Verification and Testing Report

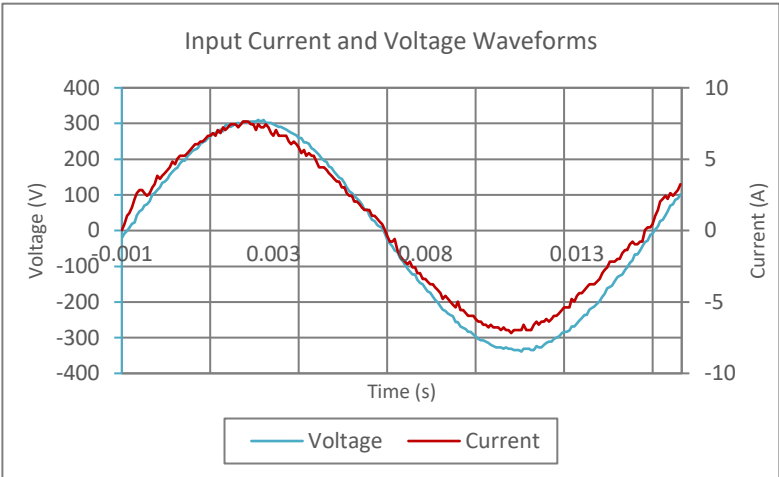
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>96.28%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>95.43%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	SO-1387.3
<b>Manufacturer</b>	Murata
<b>Model Number</b>	D1U86T-W-2200-12-HB4C
<b>Serial Number</b>	CA8100021XC
<b>Year</b>	2018
<b>Type</b>	CUSTOM
<b>Test Date</b>	03/28/18

Rated Specifications	Value	Units
Input Voltage	100-120 / 200-240	Volts
Input Current	14/12.5	Amps
Input Frequency	50/60	Hz
Rated Output Power	2,200	Watts

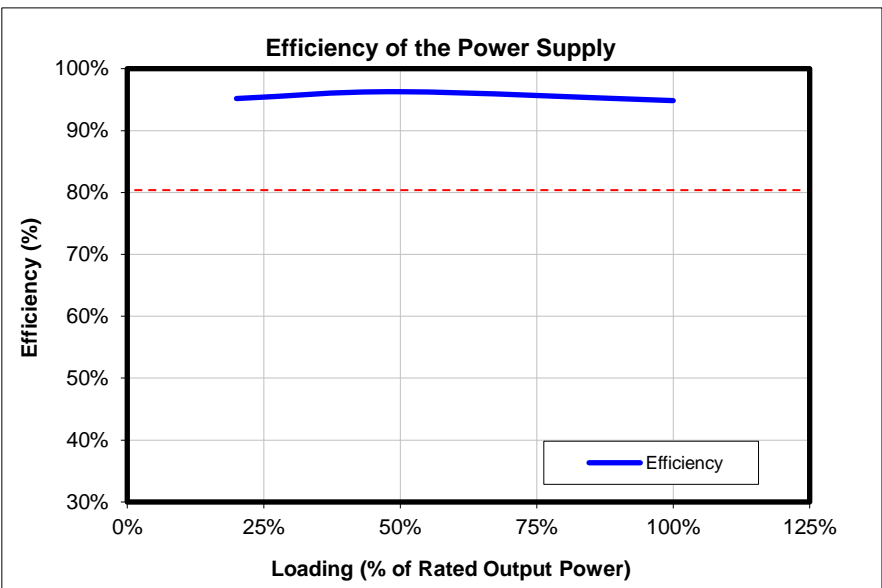
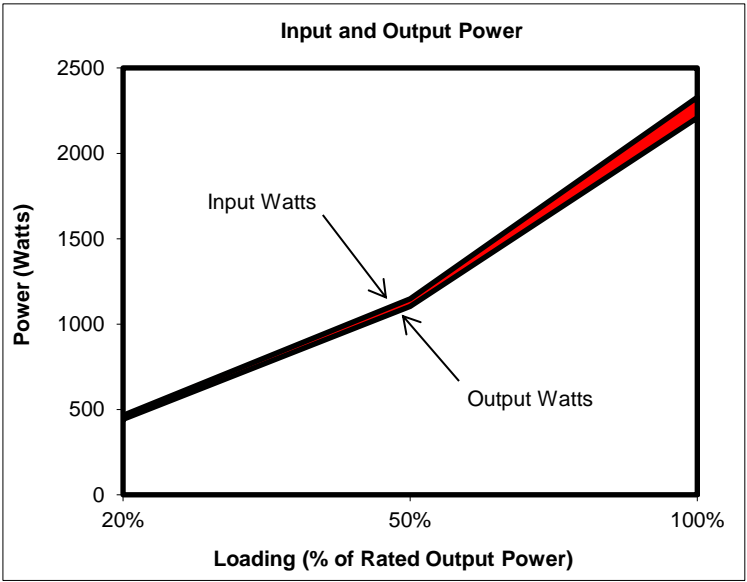
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 3.76%, 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
							12V	12Vsb		
1.06	0.98	10.13%	10%	Low	239	0.84	12.02/18.04	12/0.35	221	92.45%
2.03	0.99	5.58%	20%	Light	464	0.96	12.02/36.07	11.99/0.69	442	95.17%
5.01	1.00	3.76%	50%	Typical	1147	18.00	12.02/90.16	11.96/1.73	1104	96.28%
10.14	1.00	3.87%	100%	Full	2328	17.76	12.02/180.28	11.9/3.46	2208	94.84%

\* 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/>