

# 80 PLUS Verification and Testing Report

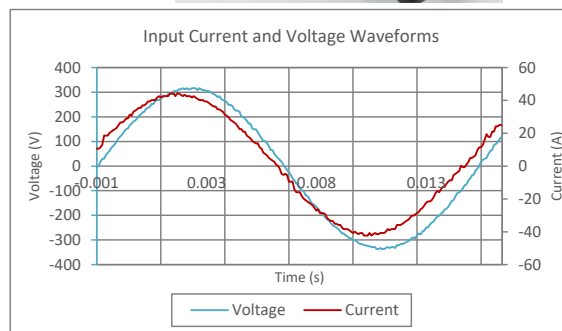
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>94.54%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>93.75%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	SO-1691
<b>Manufacturer</b>	Sysgration
<b>Model Number</b>	EFRP-PA3A
<b>Serial Number</b>	T013TVG00002
<b>Year</b>	2020
<b>Type</b>	1U
<b>Test Date</b>	04/27/20

Rated Specifications	Value	Units
Input Voltage	110-127 / 200-240	Volts
Input Current	12/7.5	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>1,300</b>	<b>Watts</b>

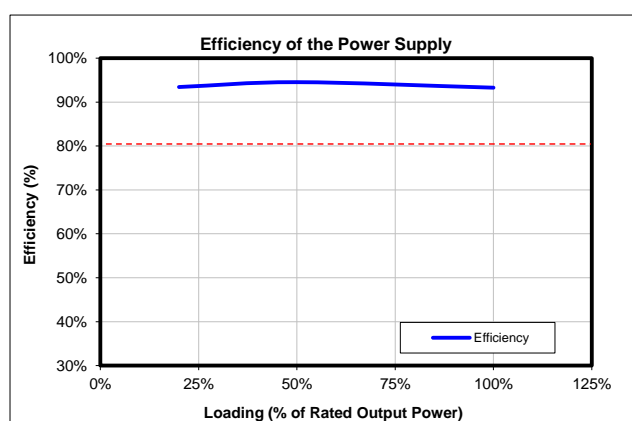
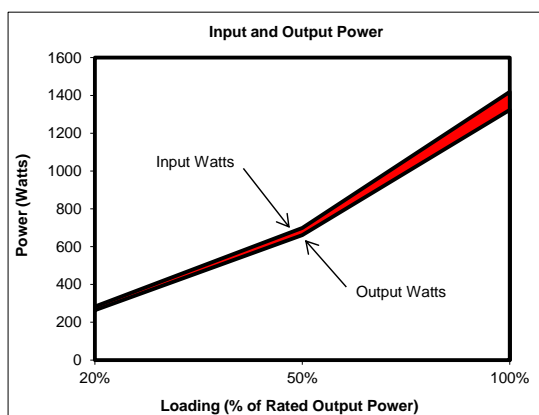
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 1.84%, 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		
0.74	0.86	13.92%	10%	Low	146	3.00	12.18/10.66	11.78/0.2	132	90.45%
1.30	0.95	6.74%	20%	Light	283	3.00	12.17/21.32	11.75/0.4	264	93.43%
3.07	0.99	1.84%	50%	Typical	699	3.00	12.17/53.29	11.72/1	661	94.54%
6.20	1.00	2.35%	100%	Full	1419	3.00	12.2/106.58	11.71/2.01	1323	93.28%

\* 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/>

