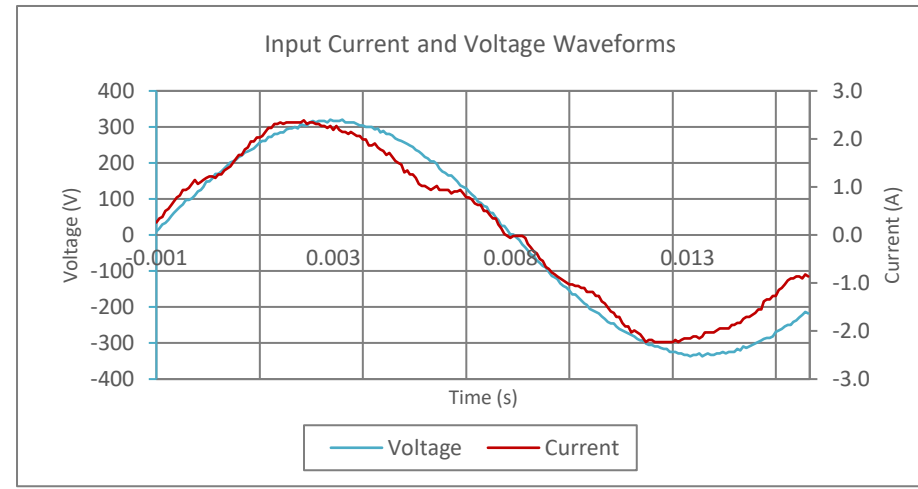


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	89.23%
AVERAGE EFFICIENCY :	87.63%
80 PLUS COMPLIANT:	YES



ID Number	EU-830
Manufacturer	GRUPO DELTRON S.A.
Model Number	TE-7160
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	3/24/21

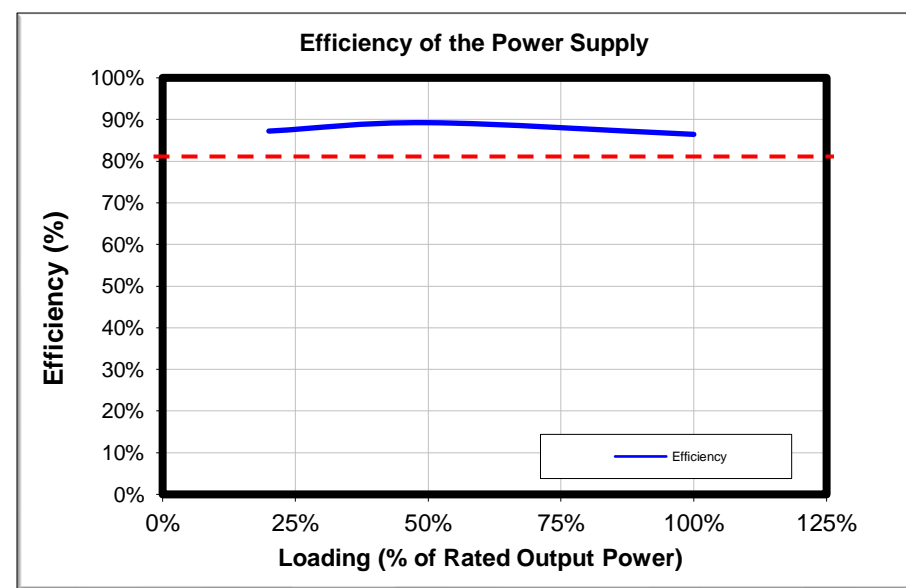
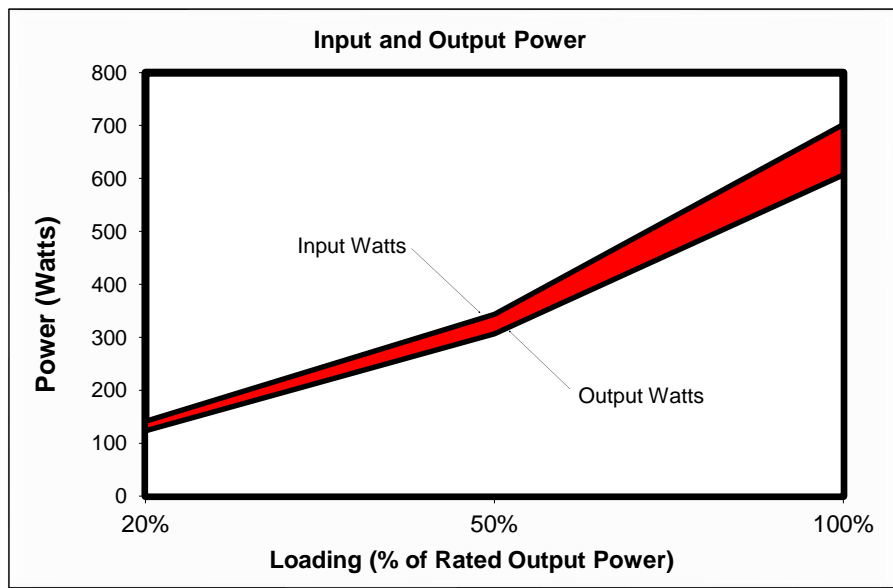


Rated Specifications	Value	Units
Input Voltage	230	Volts
Input Current	5	Amps
Input Frequency	50	Hz
Rated Output Power	600	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.

Input AC Current Waveform (ITHD = 10.61%, 50% Load)

I _{RMS}	PF	I _{THD}	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vsb		
0.49	0.67	70.73%	10%	75.19	12.35/3.64	11.47/0.05	3.38/1.79	5.1/1.78	5.16/0.2	61.73	82.10%
0.71	0.87	45.95%	20%	141.24	12.34/7.28	11.39/0.1	3.37/3.57	5.08/3.56	5.14/0.4	123.18	87.21%
1.51	0.99	10.61%	50%	343.30	12.3/18.2	11.39/0.25	3.33/8.98	5.03/8.88	5.09/1	306.33	89.23%
3.09	0.99	11.40%	100%	702.10	12.21/36.41	11.48/0.5	3.27/17.95	4.95/17.73	5/2	606.82	86.43%



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/>