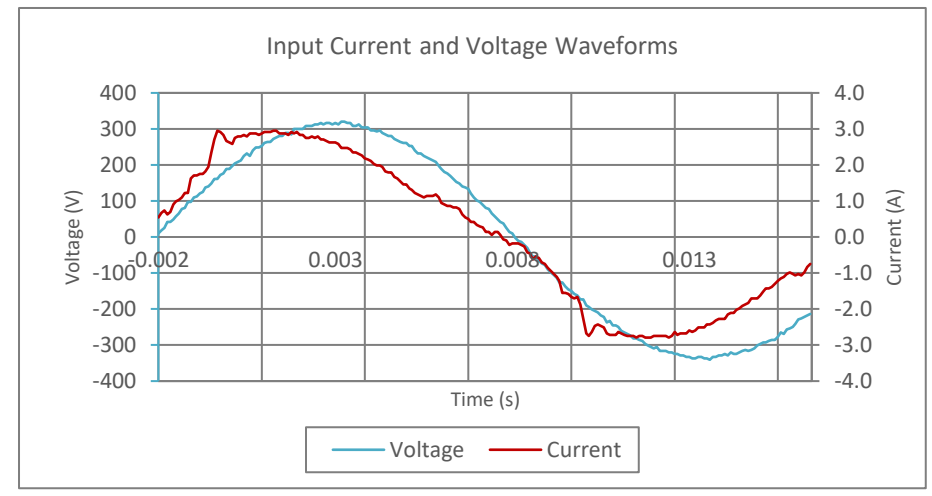
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**89.54%**
AVERAGE EFFICIENCY :	**87.56%**
80 PLUS COMPLIANT:	**YES**

ID Number	EU-738
Manufacturer	SuperCase Computer Components Hellas Ltd
Model Number	FP-750W
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	9/29/20

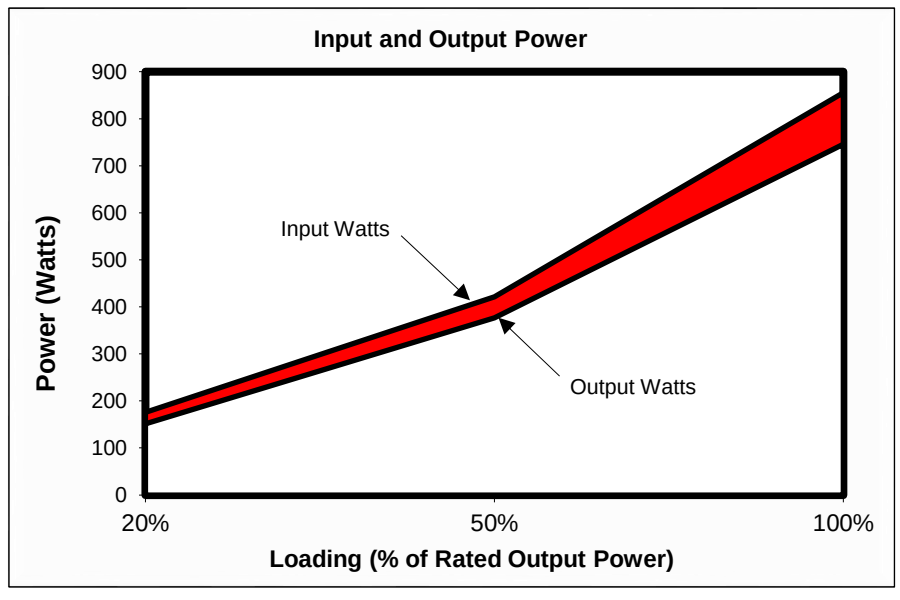
Rated Specifications	Value	Units
Input Voltage	230	Volts
Input Current	8/4	Amps
Input Frequency	60/50	Hz
Rated Output Power	**750**	**Watts**

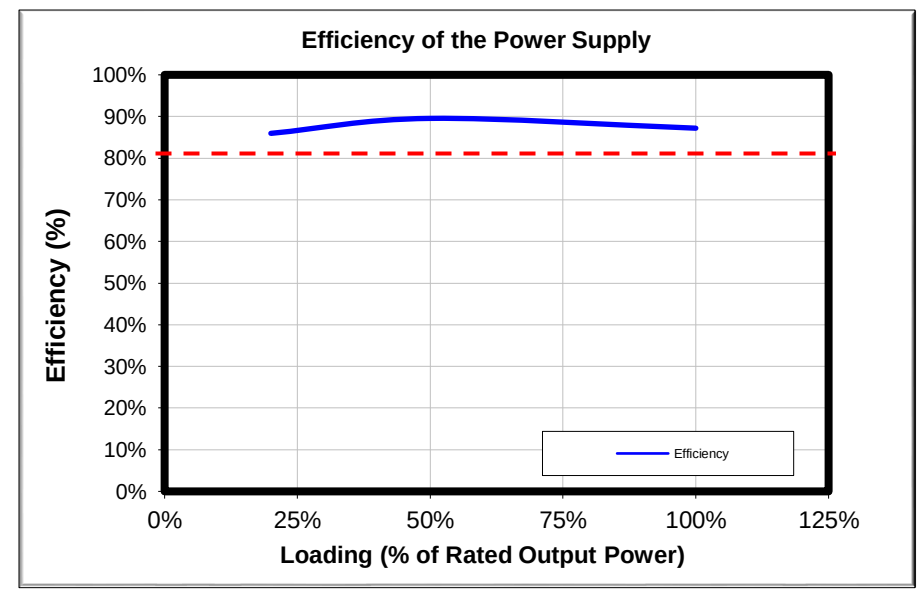
Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 14.32%, 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		
0.54	0.78	21.58%	10%	96.25	12.07/5.19	12.32/0.03	3.38/1.39	5.11/1.39	5.13/0.2	75.76	**78.71%**
0.86	0.89	18.40%	20%	176.30	12.05/10.39	12.23/0.06	3.36/2.79	5.09/2.77	5.11/0.4	151.53	**85.95%**
1.91	0.96	14.32%	50%	420.90	12.02/25.98	12.35/0.15	3.32/6.96	5.05/6.9	5.05/0.99	376.89	**89.54%**
3.79	0.98	8.51%	100%	855.30	11.95/51.75	12.91/0.3	3.24/13.96	4.97/13.79	4.91/1.99	745.74	**87.19%**





PLUG LOAD solutions

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/*

80 PLUS®