

80 PLUS Verification and Testing Report

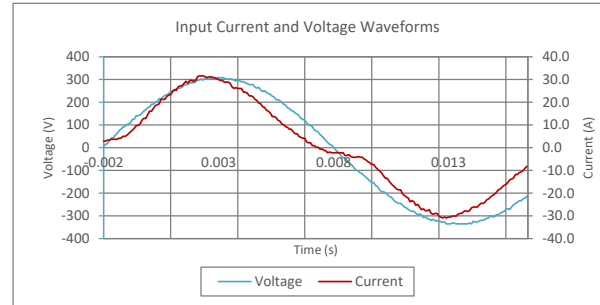
TYPICAL EFFICIENCY (50% Load):	90.77%
AVERAGE EFFICIENCY :	89.51%
80 PLUS COMPLIANT:	YES



ID Number	EU-684
Manufacturer	HANMI MICRONICS INC.
Model Number	HP1-750BR-E12S
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	6/9/20

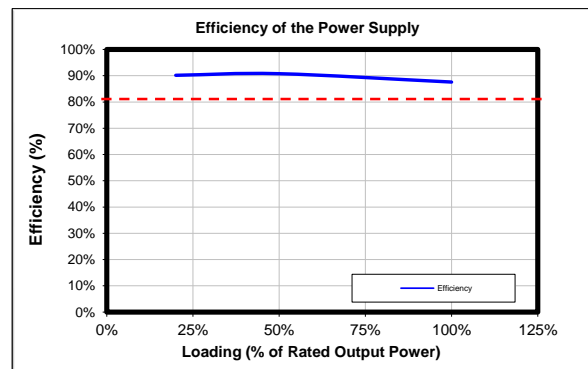
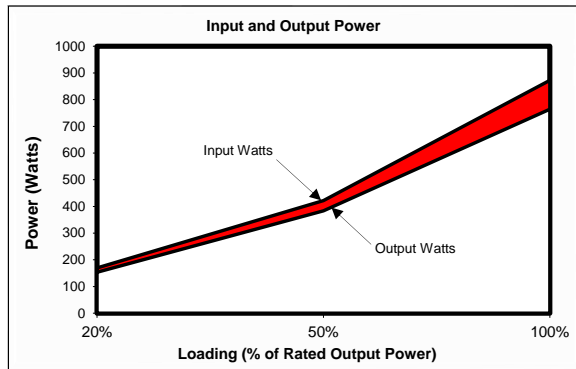
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	750	Watts

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



Input AC Current Waveform (I_{THD} = 19.81%, 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		
0.43	0.89	33.45%	10%	87.83	12.23/5.3	12.13/0.03	3.33/1.22	5.12/1.22	5.12/0.25	76.70	87.33%
0.78	0.94	26.32%	20%	169.82	12.23/10.58	12.28/0.05	3.32/2.44	5.11/2.43	5.11/0.51	153.11	90.16%
1.89	0.97	19.81%	50%	422.20	12.22/26.51	12.26/0.13	3.32/6.11	5.1/6.05	5.07/1.27	383.24	90.77%
3.84	0.99	13.72%	100%	872.30	12.21/52.92	12.31/0.25	3.31/12.21	5.1/12.08	5.01/2.53	764.06	87.59%



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/>

