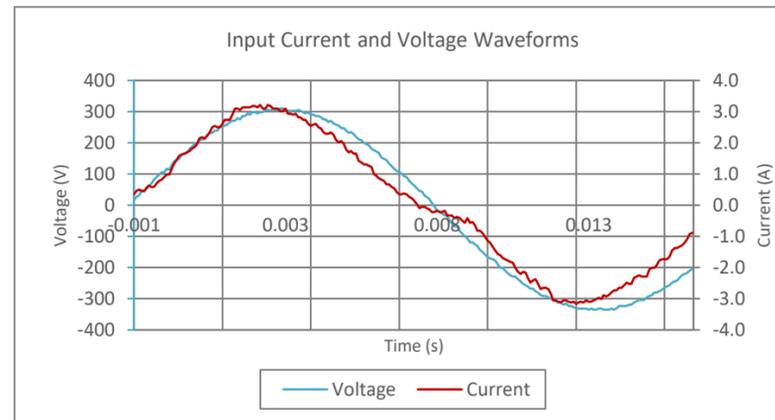


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>90.11%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>88.72%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	EU-557
<b>Manufacturer</b>	HANMI MICRONICS INC.
<b>Model Number</b>	HPG-800BR-H12S
<b>Serial Number</b>	N/A
<b>Year</b>	2019
<b>Type</b>	ATX12V
<b>Test Date</b>	7/15/19

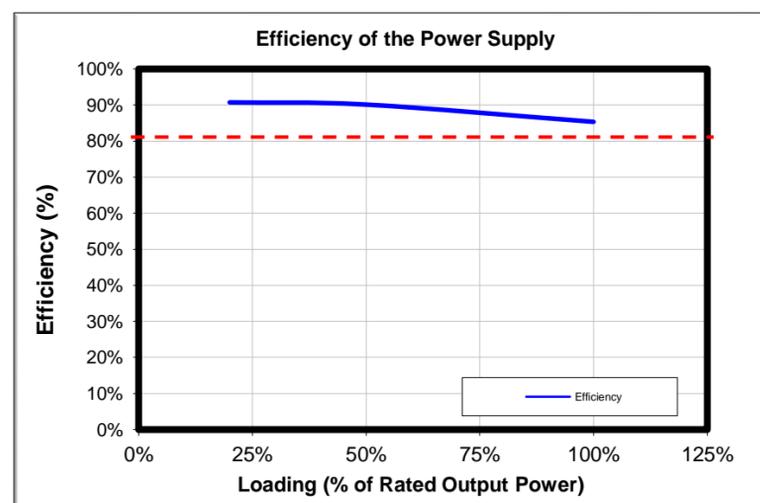
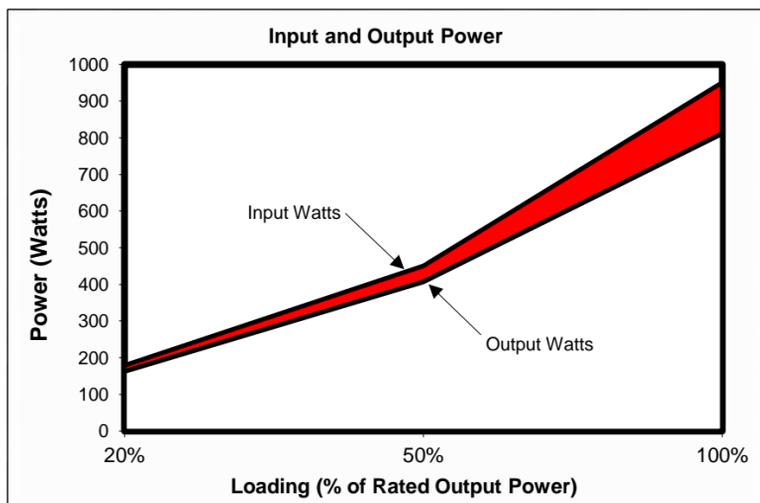


Rated Specifications	Value	Units
Input Voltage	220-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>800</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 14.45%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	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		
0.44	0.91	26.83%	10%	91.82	12.17/5.7	12.31/0.03	3.32/1.23	5.08/1.23	5.13/0.25	81.30	88.55%
0.81	0.96	20.33%	20%	179.43	12.17/11.43	12.37/0.05	3.31/2.45	5.08/2.44	5.11/0.51	162.78	90.72%
1.99	0.98	14.45%	50%	451.00	12.16/28.56	12.4/0.13	3.31/6.15	5.07/6.09	5.07/1.27	406.41	90.11%
4.16	0.99	9.32%	100%	950.70	12.15/57.07	12.63/0.25	3.3/12.29	5.06/12.15	4.98/2.55	811.24	85.33%



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/>

