

## 80 PLUS Verification and Testing Report

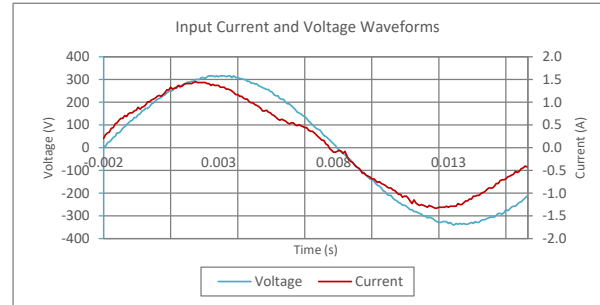
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>89.77%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>87.02%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	EU-744
<b>Manufacturer</b>	HANMI MICRONICS INC.
<b>Model Number</b>	CE-350ST-H12S
<b>Serial Number</b>	N/A
<b>Year</b>	2020
<b>Type</b>	TFX
<b>Test Date</b>	10/13/20

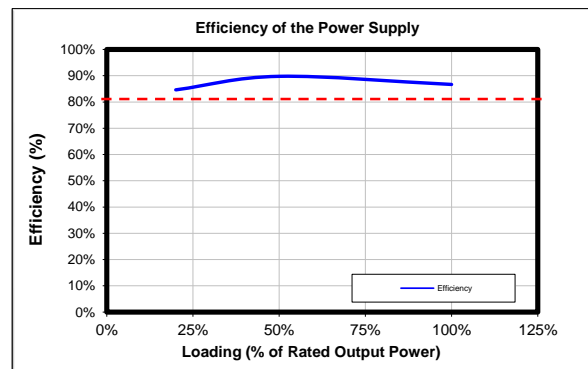
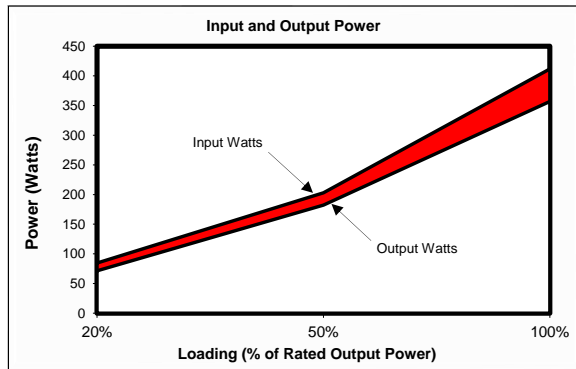
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	6.3	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>350</b>	<b>Watts</b>

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



Input AC Current Waveform (I<sub>THD</sub> = 8.62%, 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		
0.34	0.60	69.04%	10%	46.57	12.17/0.02	3.35/0.85	5.12/0.85	5.05/0.24		35.74	76.74%
0.46	0.80	49.38%	20%	84.56	12.26/4.41	12.13/0.05	3.35/1.71	5.12/1.71	5.03/0.47	71.55	84.62%
0.91	0.97	8.62%	50%	202.98	12.26/11.07	12.14/0.12	3.32/5.27	5.1/4.23	4.98/1.18	182.22	89.77%
1.83	0.98	11.34%	100%	411.70	12.26/22.13	12.33/0.24	3.29/8.54	5.06/8.46	4.89/2.36	356.86	86.68%



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/>

