

# 80 Plus Verification and Testing Report

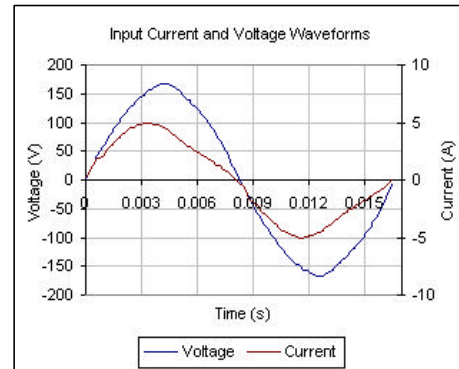
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.83%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>81.97%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	20
<b>Manufacturer</b>	Seasonic
<b>Model Number</b>	SS-300SFD
<b>Serial Number</b>	CK02-21190026
<b>Year</b>	2005
<b>Type</b>	SFX
<b>Test Date</b>	4/5/2005

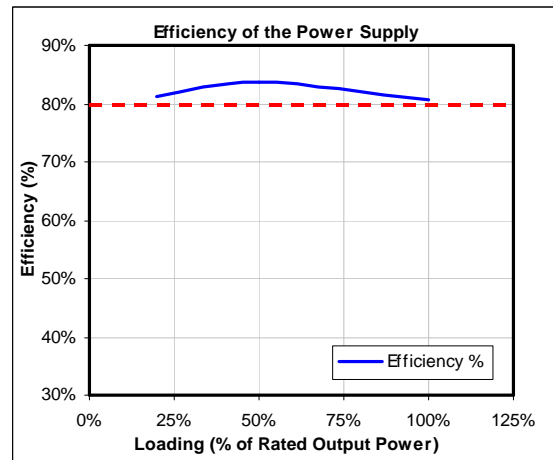
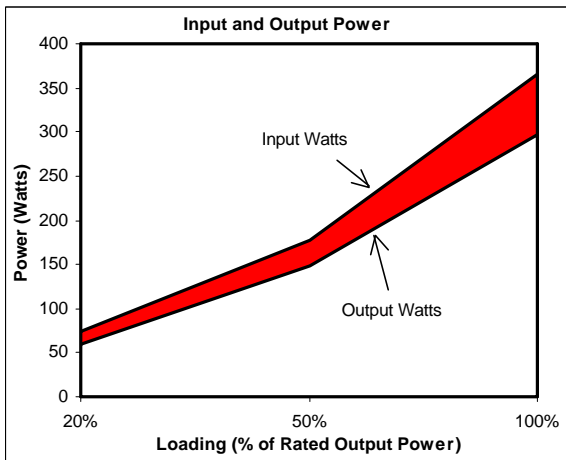
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	2.5	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>300</b>	<b>Watts</b>

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform ( $I_{THD} = 12.9\%$ , 100% Load)

$I_{RMS}$ A	PF	$I_{THD}$ (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)						Output Watts	Efficiency %
						12V1	12V2	-12V	3.3V	5V*	5VSB		
0.66	0.96	22.1%	20%	Light	74	11.9/1.2	11.9/2.1	11.6/0.1	3.3/2.2	5.0/2.2	5.0/0.3	60	81.3%
1.58	0.97	13.4%	50%	Typical	177	11.8/2.9	11.9/5.3	11.7/0.3	3.3/5.5	5.0/5.5	5.0/0.7	149	83.8%
3.25	0.98	12.9%	100%	Full	366	11.8/5.8	11.8/10.5	12.0/0.6	3.3/10.9	5.0/10.9	5.0/1.5	296	80.8%



These tests were conducted as a part of the 80 Plus program. 80 Plus is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and small servers.



Tested by EPRi Solutions, Knoxville, TN.