

80 Plus Verification and Testing Report

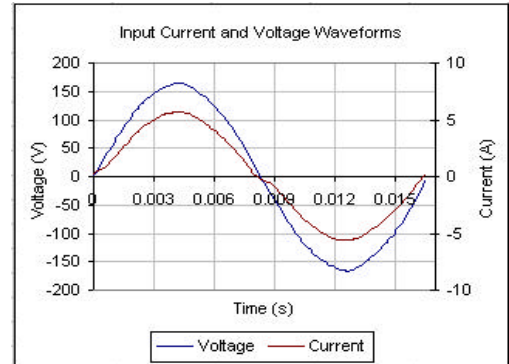
TYPICAL EFFICIENCY (50% Load):	84.48%
AVERAGE EFFICIENCY :	82.65%
80 PLUS COMPLIANT:	YES



Ecos ID #	25
Manufacturer	Energy Recovery Systems
Model Number	ERS-PC365
Serial Number	Pre-production sample
Year	2005
Type	ATX12V
Test Date	9/12/2005

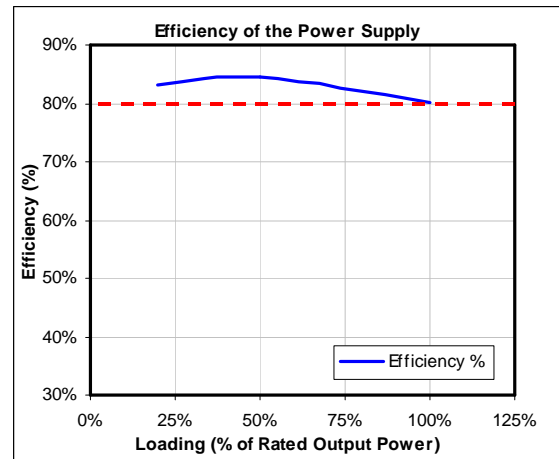
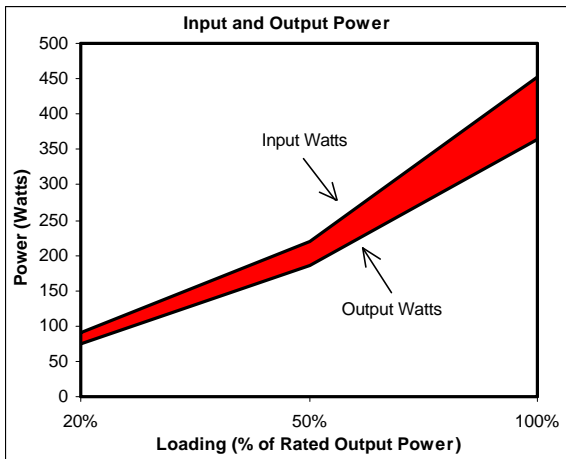
Rated Specifications	Value	Units
Input Voltage	120/240	Volts
Input Current	N/A	Amps
Input Frequency	N/A	Hz
Rated Output Power	365	Watts

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



Input AC Current Waveform ($I_{THD} = 11.3\%$, 50% 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		
0.81	0.96	19.0%	20%	Light	90	12.5/1.7	12.5/2.1	11.7/0.1	3.4/3.5	5.0/2.7	5.1/0.3	75	83.2%
1.92	0.99	11.3%	50%	Typical	220	12.3/4.3	12.3/5.2	11.8/0.2	3.3/8.6	5.0/6.8	5.0/0.7	186	84.5%
3.96	1.00	6.7%	100%	Full	453	12.1/8.6	12.1/10.4	12.1/0.4	3.2/17.2	4.9/13.7	4.9/1.4	364	80.3%



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 PEAC Corporation, Knoxville, TN.