

80 PLUS Verification and Testing Report

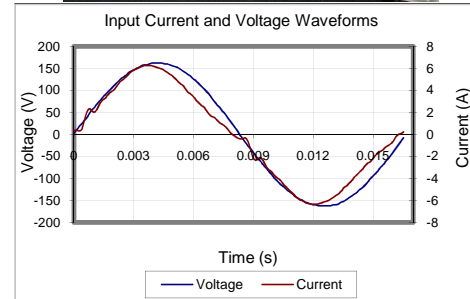
TYPICAL EFFICIENCY (50% Load):	81.82%
AVERAGE EFFICIENCY :	82.44%
80 PLUS COMPLIANT:	YES



Ecos ID #	1722
Manufacturer	HITACHI LTD.
Model Number	TDPS-400BB C
Serial Number	CMCD0929S10138
Year	2009
Type	1U
Test Date	11/4/2009

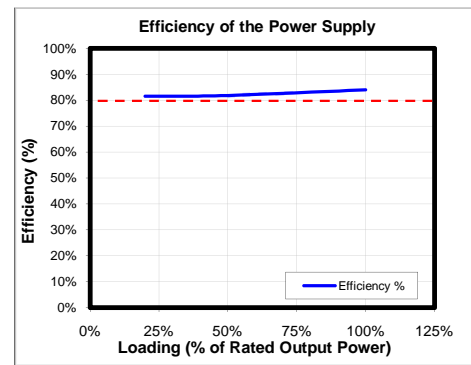
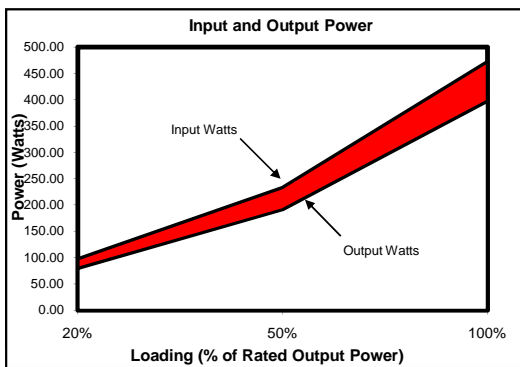
Rated Specifications	Value	Units
Input Voltage	100-127 200-240	Volts
Input Current	5.8-2.9	Amps
Input Frequency	50/60	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform (ITHD = 11.87%, 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 %	
						12V (cumulative of 12V1, 12V2, etc.)		-12V	3.3V	5V*			5VSB
0.89	0.9526	15.91%	20%	Light	97.91	11.9/4.9		0/0	3.4/2.6	5.1/2	5/0.5	79.82	81.52%
2.06	0.9866	11.87%	50%	Typical	233.70	11.9/12.4		0/0	3.3/6.5	3.3/4.9	5/1.2	191.22	81.82%
4.16	0.9873	11.19%	100%	Full	473.00	11.8/24.7		0/0	3.3/13.1	5.1/9.8	5/2.3	397.25	83.99%



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/>

