

80 PLUS Verification and Testing Report

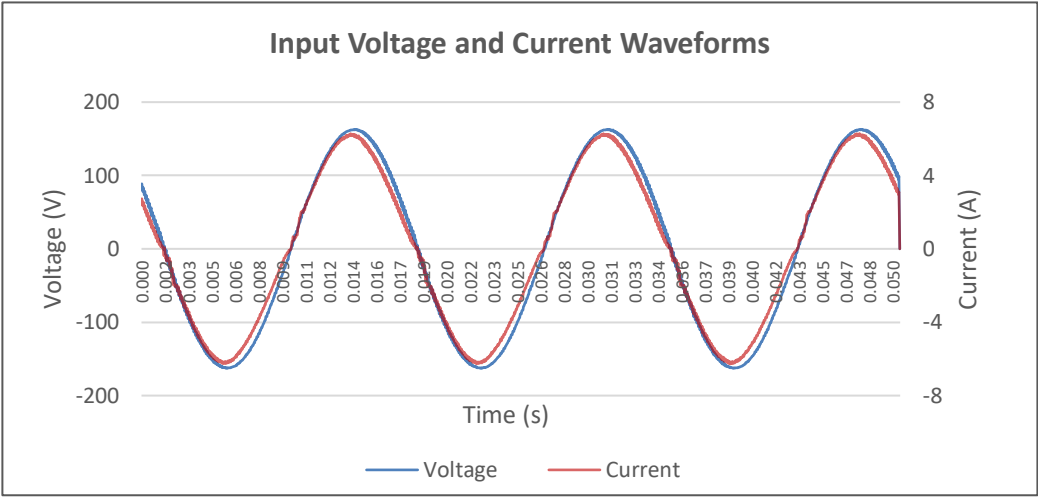
TYPICAL EFFICIENCY (50% Load):	87.87%
AVERAGE EFFICIENCY :	84.19%
80 PLUS COMPLIANT:	Bronze



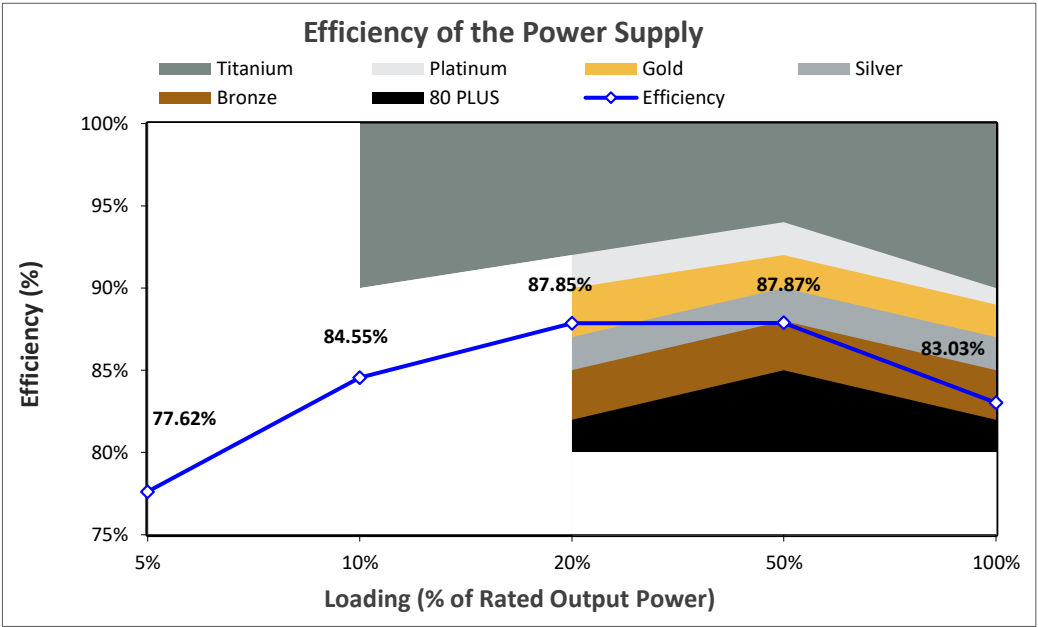
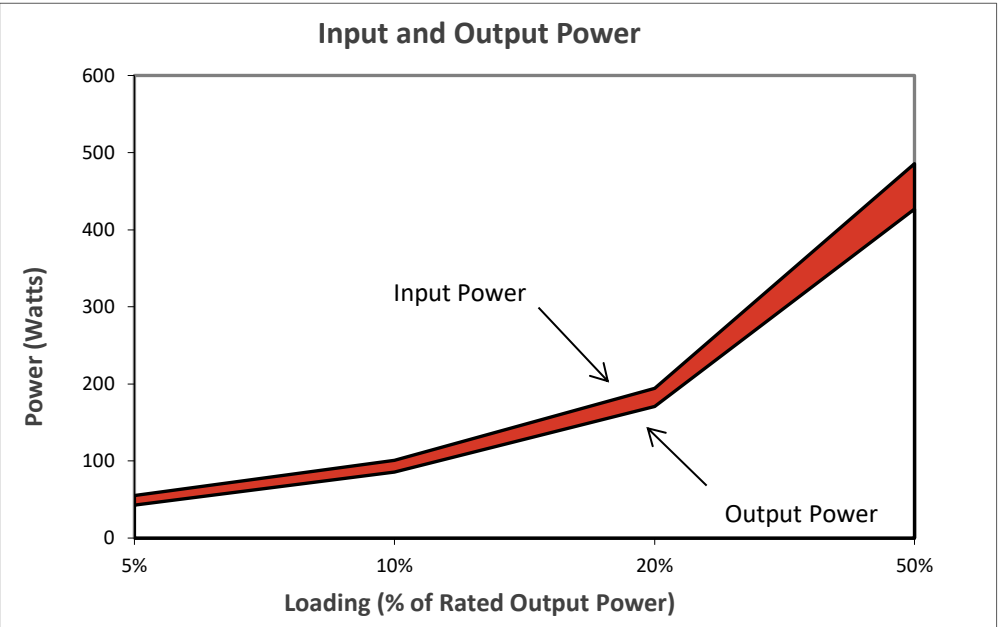
ID Number	7649
Manufacturer	Thermaltake
Model Number	SPD-850AH2NXXB
Serial Number	N/A
Type	ATX12V
Test Date	11/14/24

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)		-12V	3.3V	5V		
0.147	0.3949	15.79	0%	6.67	No-Load						
0.504	0.9493	8.83	5%	55.02	12.03/3.12	11.84/0.013	3.37/0.53	5.09/0.53	5.14/0.11	42.71	77.62%
0.908	0.9676	11.14	10%	101.00	12.03/6.23	11.89/0.026	3.37/1.06	5.08/1.06	5.13/0.22	85.40	84.55%
1.710	0.9886	7.18	20%	194.39	12.04/12.47	11.97/0.053	3.36/2.12	5.07/2.12	5.11/0.44	170.78	87.85%
4.233	0.9972	4.01	50%	485.59	12.04/31.16	12.21/0.132	3.33/5.3	5.05/5.3	5.05/1.1	426.71	87.87%
8.995	0.9916	3.29	100%	1026.00	12.03/62.32	12.66/0.264	3.28/10.61	5.01/10.6	4.94/2.2	851.92	83.03%



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/>