

80 PLUS Verification and Testing Report

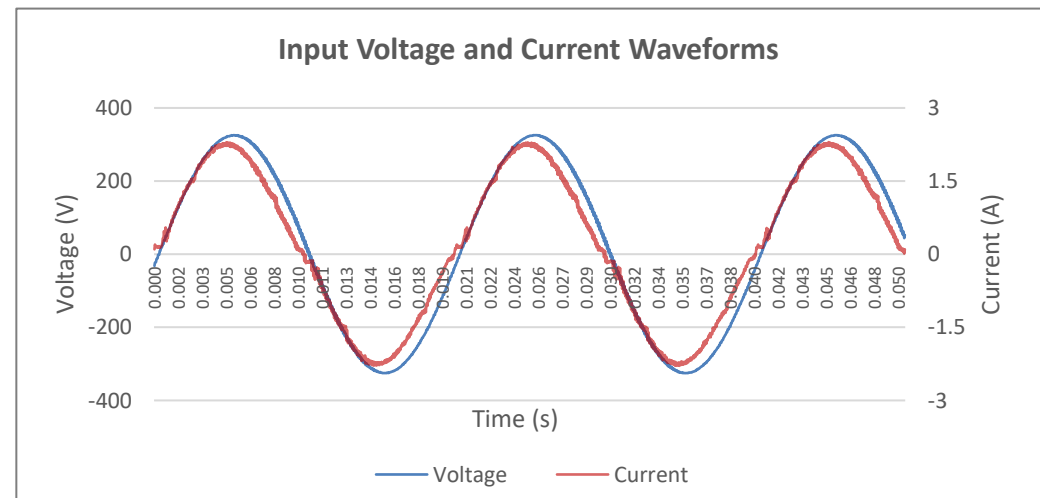
TYPICAL EFFICIENCY (50% Load):	87.59%
AVERAGE EFFICIENCY :	81.14%
80 PLUS COMPLIANT:	Standard



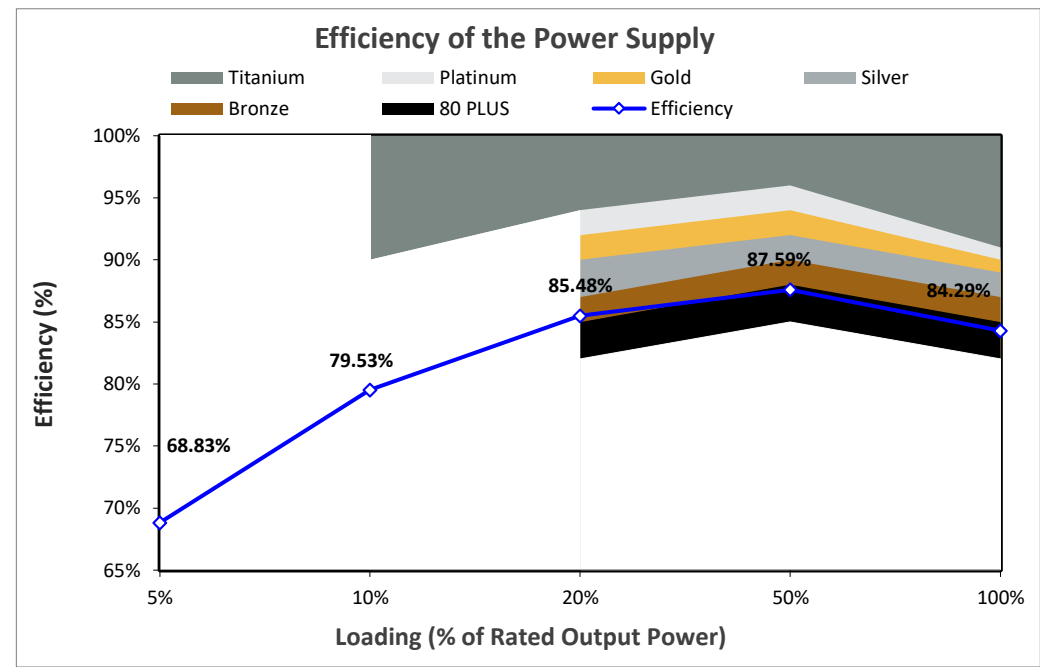
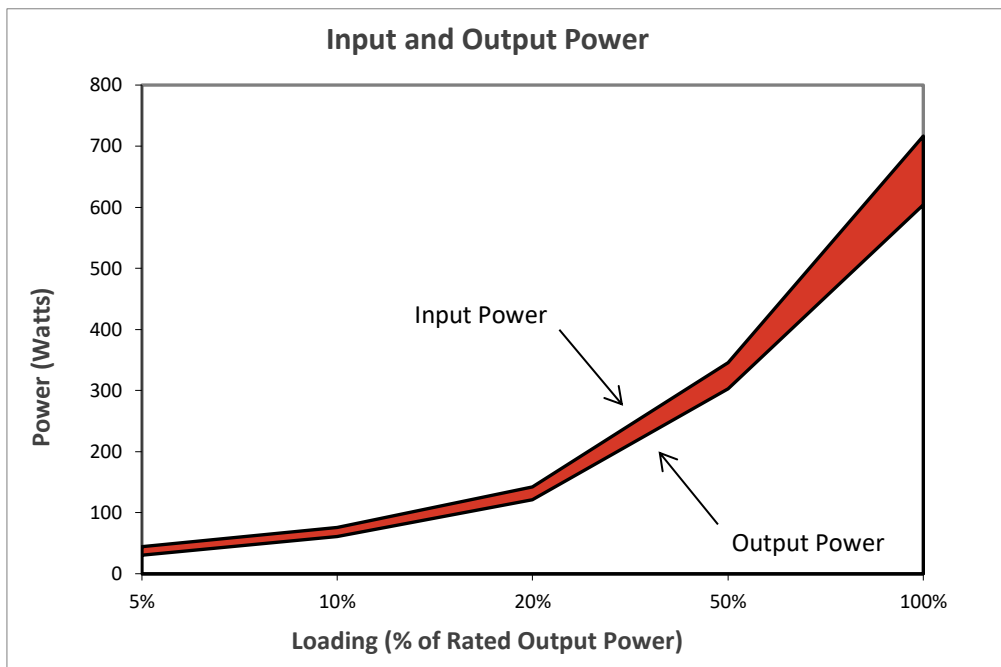
ID Number	EU-1053
Manufacturer	Thermaltake
Model Number	TR2 S 600W
Serial Number	N/A
Type	ATX12V
Test Date	5/16/24

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	10	Amps
Input Frequency	50	Hz
Rated Output Power	600	Watts

Note: All measurements were taken with input voltage at 230V nominal at 50 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	5Vstb		
0.136	0.3504	22.34	0%	10.95	No-Load						
0.248	0.7713	19.22	5%	44.01	12.08/2.1	12/0.013	3.39/0.5	5.12/0.5	5.13/0.105	30.30	68.83%
0.372	0.8894	14.33	10%	76.18	12.08/4.19	12.06/0.025	3.38/1.01	5.12/1.01	5.12/0.21	60.59	79.53%
0.644	0.9564	10.11	20%	141.69	12.08/8.38	12.16/0.05	3.37/2.02	5.11/2.02	5.1/0.419	121.12	85.48%
1.519	0.9884	6.73	50%	345.26	12.08/20.95	12.42/0.126	3.34/5.05	5.07/5.05	5.04/1.047	302.41	87.59%
3.130	0.9954	4.05	100%	716.54	12.09/41.9	12.93/0.251	3.28/10.1	5.02/10.1	4.92/2.095	603.94	84.29%



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/>