

80 PLUS Verification and Testing Report

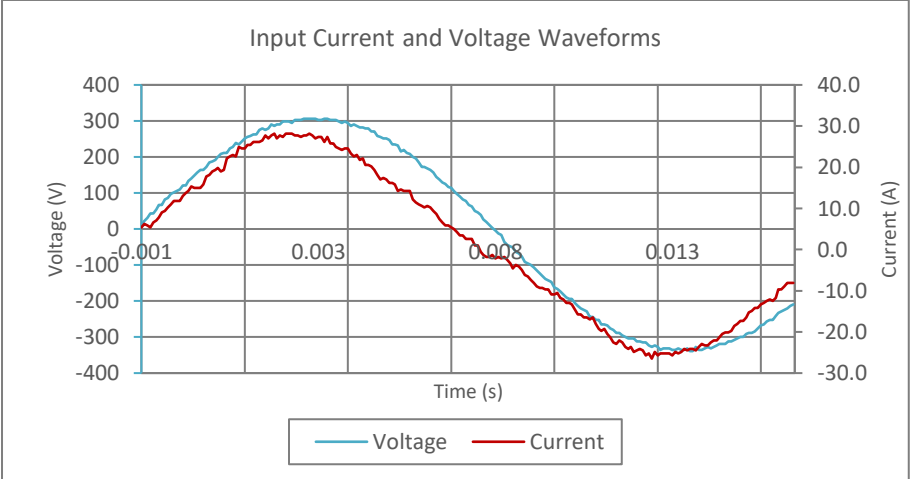
TYPICAL EFFICIENCY (50% Load):	89.72%
AVERAGE EFFICIENCY :	88.34%
80 PLUS COMPLIANT:	YES



ID Number	EU-490
Manufacturer	Cooler Master Technology Inc.
Model Number	MPE-7001-ACABW
Serial Number	N/A
Year	2019
Type	EPS12V
Test Date	2/20/19

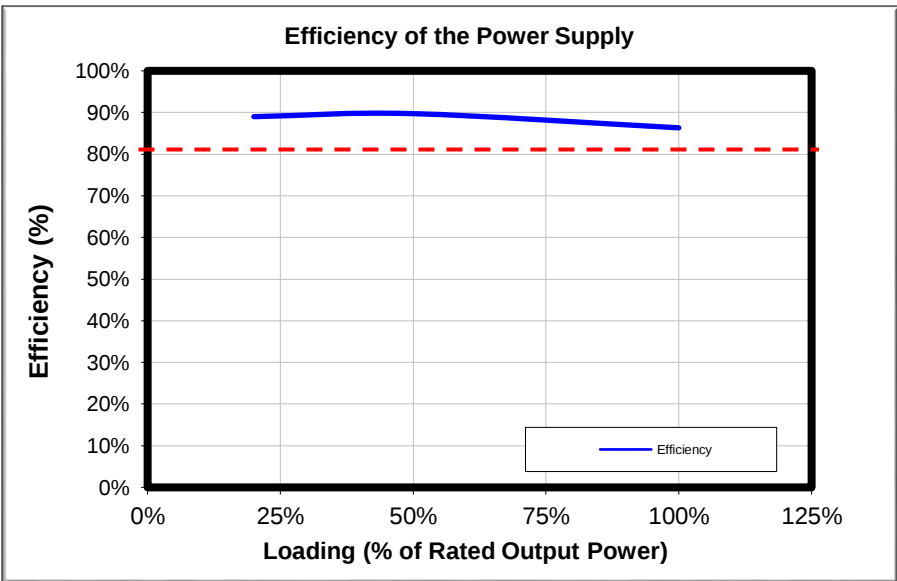
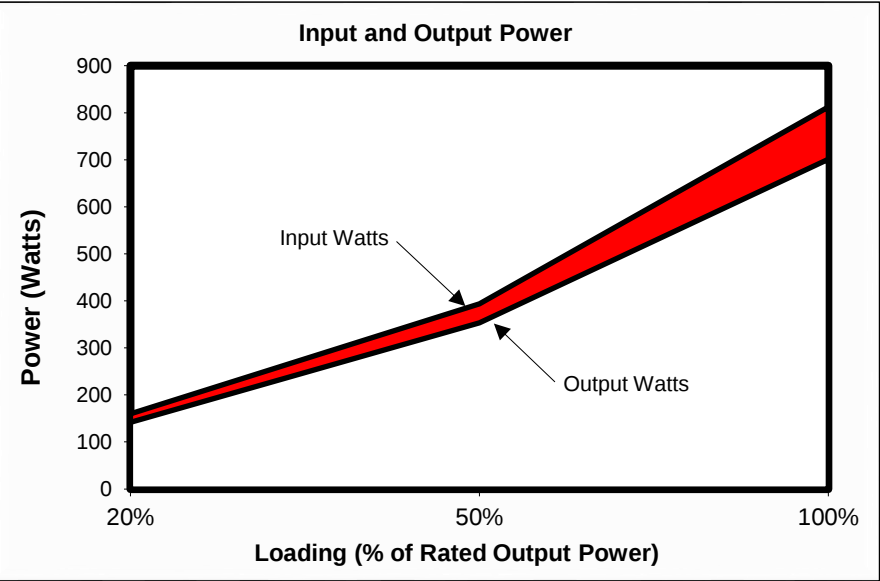
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	6	Amps
Input Frequency	50-60	Hz
Rated Output Power	700	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 10.13%, 50% Load)

I _{RMS}	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	5Vsb		
0.48	0.78	8.63%	10%	86.09	12.13/4.87	12.09/0.03	3.37/1.21	5.01/1.21	5.16/0.25	70.91	82.36%
0.80	0.87	7.60%	20%	159.47	12.12/9.78	11.95/0.05	3.36/2.43	4.99/2.42	5.15/0.5	141.92	88.99%
1.80	0.95	10.13%	50%	393.40	12.07/24.44	12.03/0.13	3.34/6.07	4.96/6.01	5.11/1.26	352.95	89.72%
3.61	0.98	7.91%	100%	812.20	12.01/48.84	12.66/0.25	3.3/12.15	4.9/12.01	5.04/2.52	701.08	86.32%



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/>

