80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**91.22%**
AVERAGE EFFICIENCY :	**89.55%**
80 PLUS COMPLIANT:	**YES**

ID Number	6007.3
Manufacturer	M.RED
Model Number	MRG-750G
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	6/29/20

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	47-63	Hz
Rated Output Power	**750**	**Watts**

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.
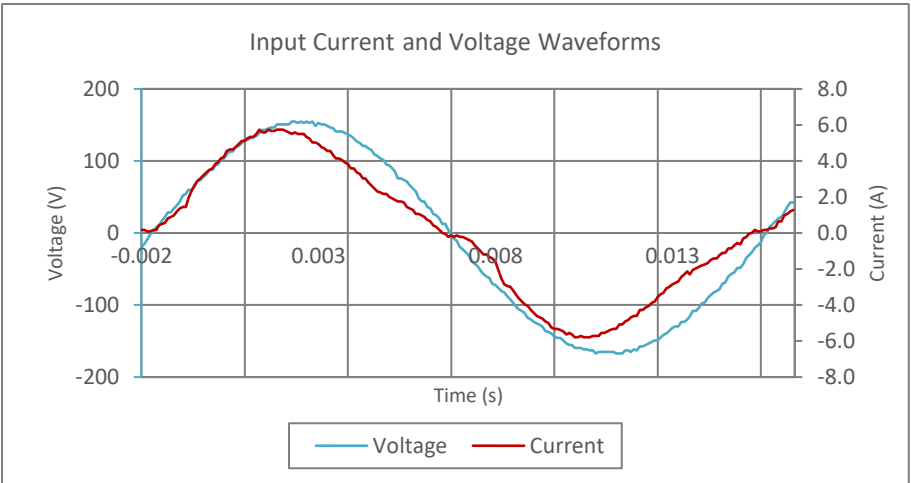
Input AC Current Waveform (ITHD = 14.91%, 50% Load)

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		
0.80	0.97	12.11%	10%	89.36	11.98/5.38	11.98/0.04	3.3/1.08	5.04/1.08	5.06/0.22	75.01	83.94%
1.49	0.98	13.09%	20%	168.93	11.98/10.76	11.99/0.09	3.3/2.16	5.04/2.15	5.06/0.45	150.21	88.92%
3.65	0.98	14.91%	50%	411.60	11.96/26.96	12.04/0.22	3.3/5.39	5.04/5.34	5.04/1.12	375.44	91.22%
7.45	0.99	11.77%	100%	845.00	11.93/53.85	12.09/0.45	3.29/10.8	5.04/10.68	5.01/2.24	748.06	88.53%

Input and Output Power

Efficiency of the Power Supply
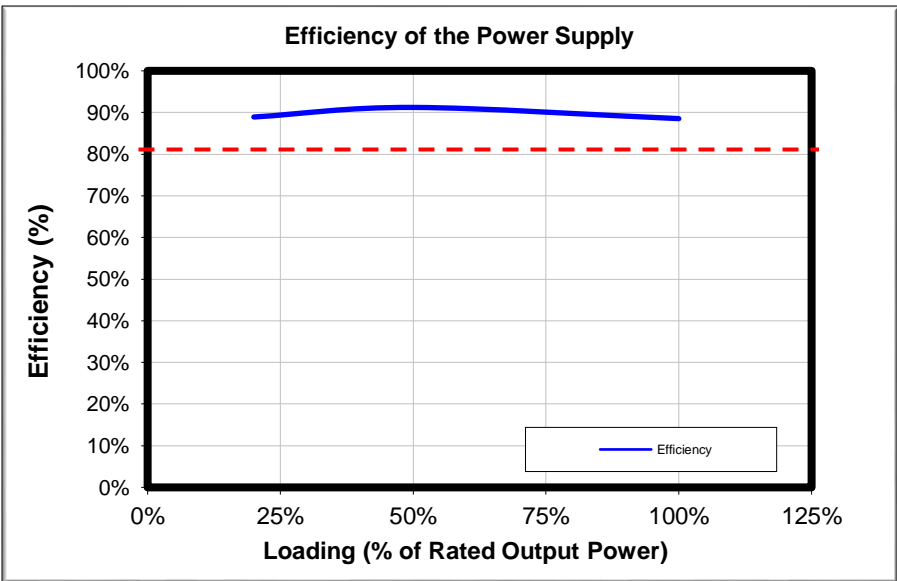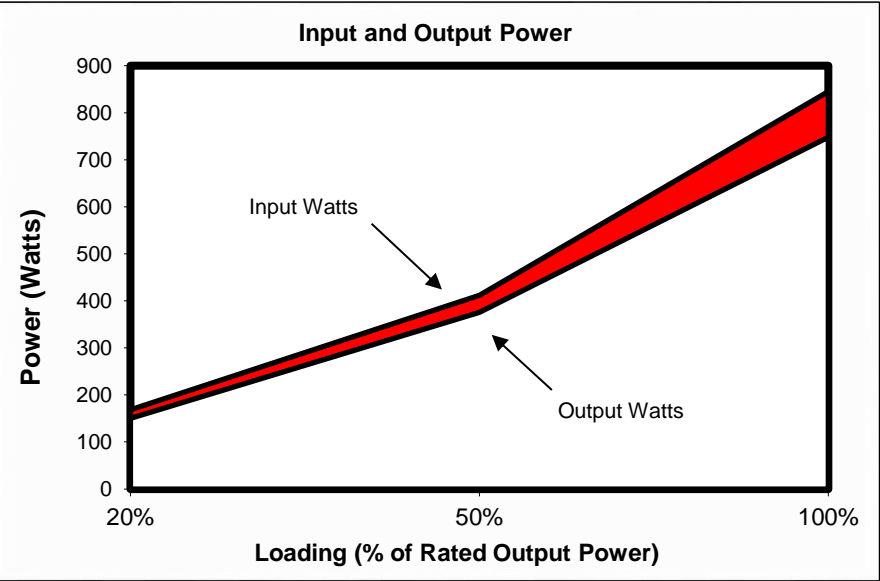
These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. *http://www.80plus.org/*