

80 PLUS Verification and Testing Report

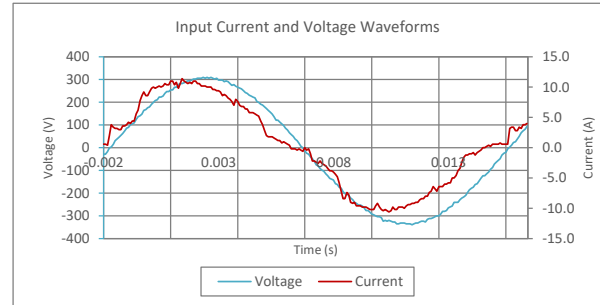
TYPICAL EFFICIENCY (50% Load):	89.26%
AVERAGE EFFICIENCY :	87.58%
80 PLUS COMPLIANT:	YES



ID Number	EU-699
Manufacturer	MODECOM
Model Number	MC-S88-280T
Serial Number	N/A
Year	2020
Type	TFX
Test Date	7/30/20

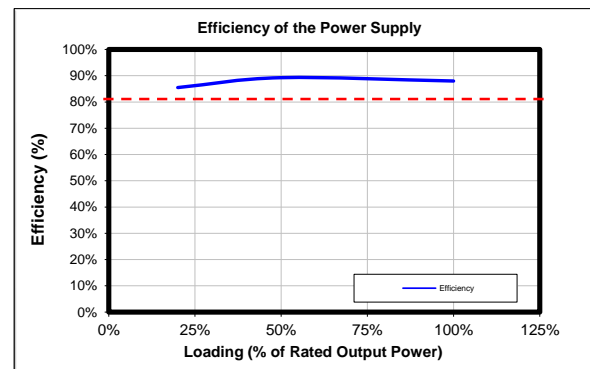
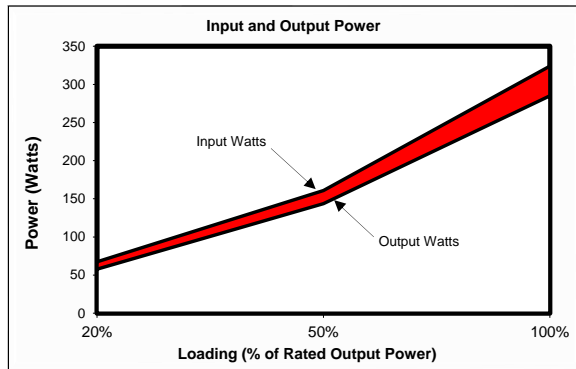
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	N/A	Amps
Input Frequency	50	Hz
Rated Output Power	280	Watts

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



Input AC Current Waveform (I_{THD} = 13.7%, 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		
0.22	0.75	49.40%	10%	36.94	12.3/1.7	11.79/0.03	3.41/0.7	5.18/0.8	5.12/0.2	28.86	78.13%
0.32	0.91	24.39%	20%	67.38	12.29/3.41	11.77/0.06	3.4/1.39	5.17/1.59	5.08/0.4	57.60	85.49%
0.72	0.97	13.70%	50%	160.84	12.28/8.52	11.78/0.15	3.38/3.48	5.15/3.96	5/1	143.57	89.26%
1.43	0.99	7.39%	100%	323.90	12.23/17.04	11.87/0.3	3.33/6.97	5.09/7.9	4.8/2	284.98	87.98%



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/>

