80 PLUS Verification and Testing Report

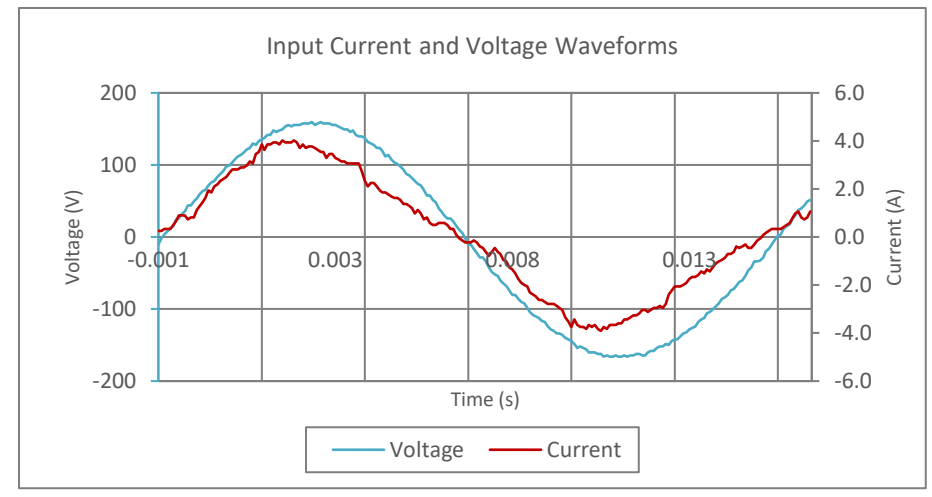
TYPICAL EFFICIENCY (50% Load):	**90.55%**
AVERAGE EFFICIENCY :	**89.34%**
80 PLUS COMPLIANT:	**YES**



ID Number	6512
Manufacturer	BEIJING DEEPCOOL INDUSTRIES CO., LTD.
Model Number	PM500D-F21
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	3/23/21

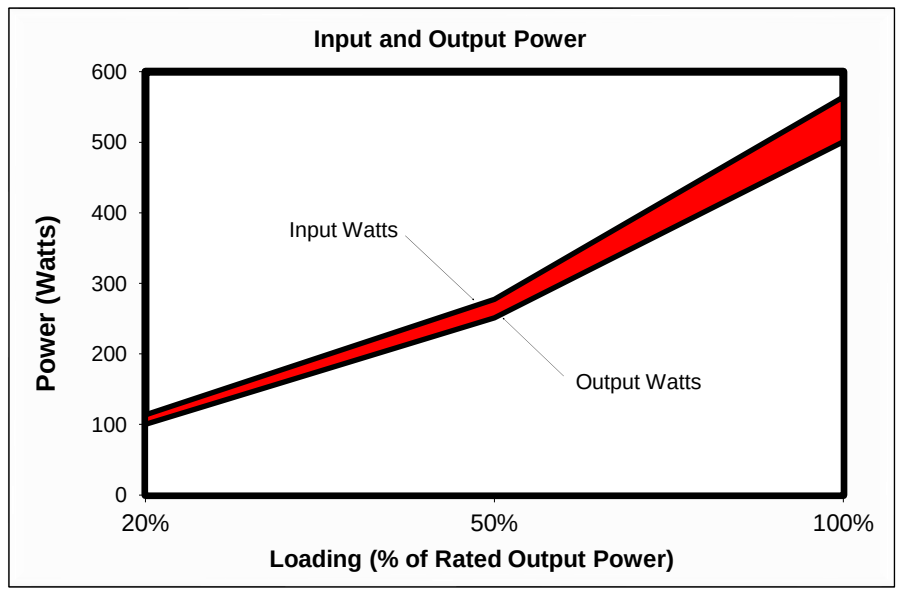
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9-4.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	**500**	**Watts**

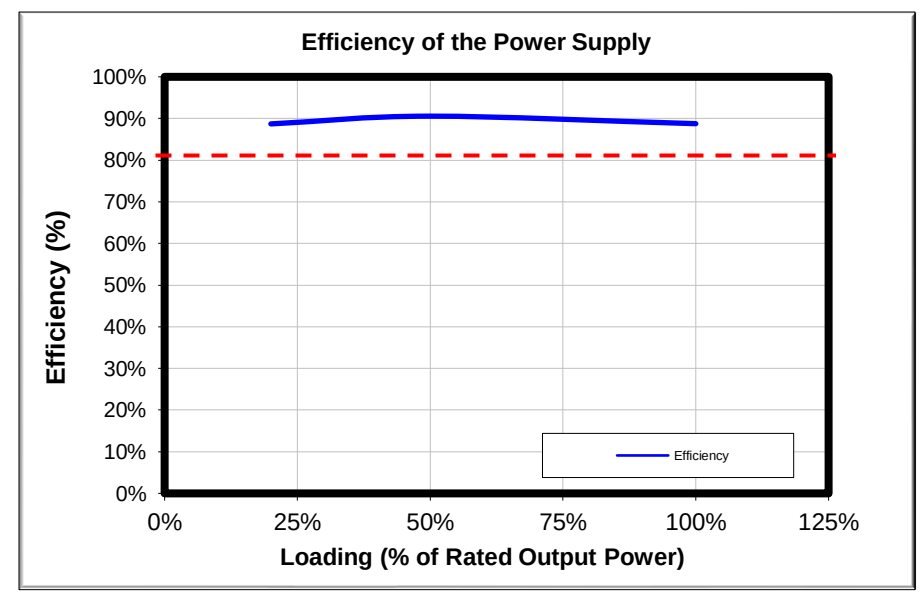
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 14.16%, 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		
0.55	0.94	13.59%	10%	59.66	12.03/3.37	11.92/0.02	3.29/0.98	5.03/0.98	5.07/0.24	50.13	**84.03%**
1.02	0.97	14.33%	20%	113.41	12.02/6.76	11.73/0.05	3.28/1.95	5.03/1.94	5.06/0.49	100.59	**88.70%**
2.45	0.98	14.16%	50%	277.10	12.01/16.91	11.77/0.12	3.27/4.88	5.03/4.84	5.02/1.22	250.93	**90.55%**
5.00	0.98	13.47%	100%	564.10	12/33.79	11.95/0.24	3.25/9.78	5.03/9.68	4.95/2.43	500.66	**88.75%**





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/*