80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**91.11%**
AVERAGE EFFICIENCY :	**89.91%**
80 PLUS COMPLIANT:	**YES**

ID Number	6276.1
Manufacturer	VSP TECHNOLOGY SPREAD
Model Number	VXP850TGD
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	1/11/21

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	**850**	**Watts**

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

Input Current and Voltage Waveforms
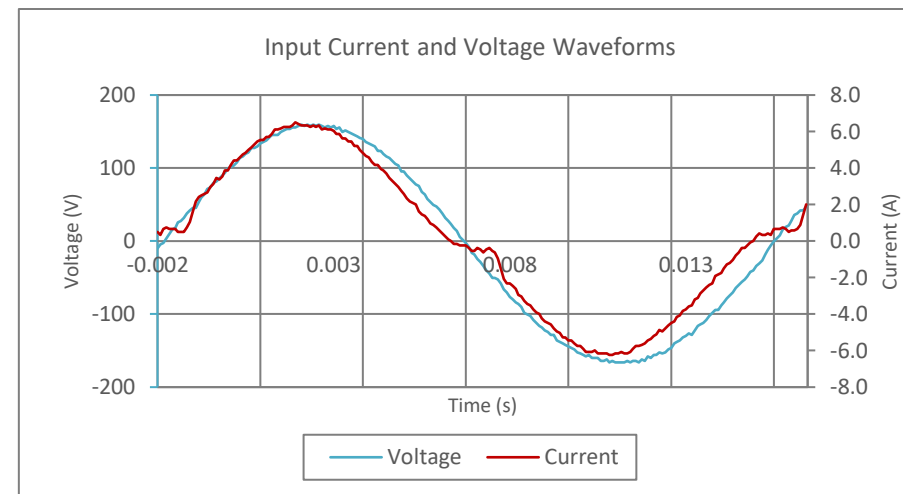
Input AC Current Waveform (ITHD = 11.9%, 50% Load)

I_{RMS}	PF	I_{THD}	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A) 12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vsb	Output Watts	Efficiency
0.90	0.97	13.92%	10%	99.81	12.05/6.24	12.08/0.03	3.31/1.07	5.06/1.07	5.11/0.22	85.62	85.78%
1.71	0.97	18.10%	20%	190.41	12.03/12.51	12.08/0.05	3.29/2.14	5.04/2.13	5.09/0.44	171.13	89.87%
4.11	0.99	11.90%	50%	467.70	12/31.26	12.16/0.13	3.24/5.36	5.01/5.31	5.06/1.11	426.11	91.11%
8.33	0.99	8.30%	100%	953.00	11.94/62.44	12.25/0.27	3.12/10.72	4.96/10.61	5.01/2.22	845.66	88.74%

Input and Output Power

Efficiency of the Power Supply
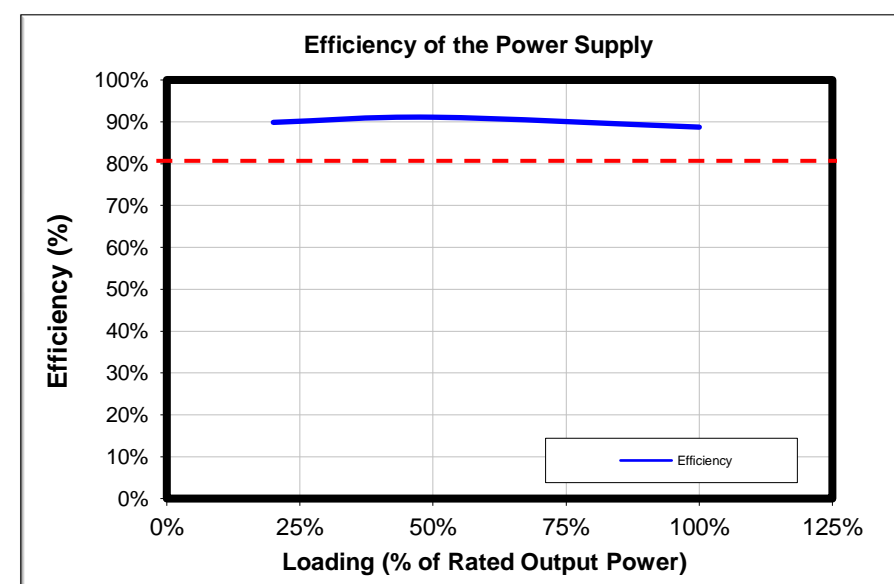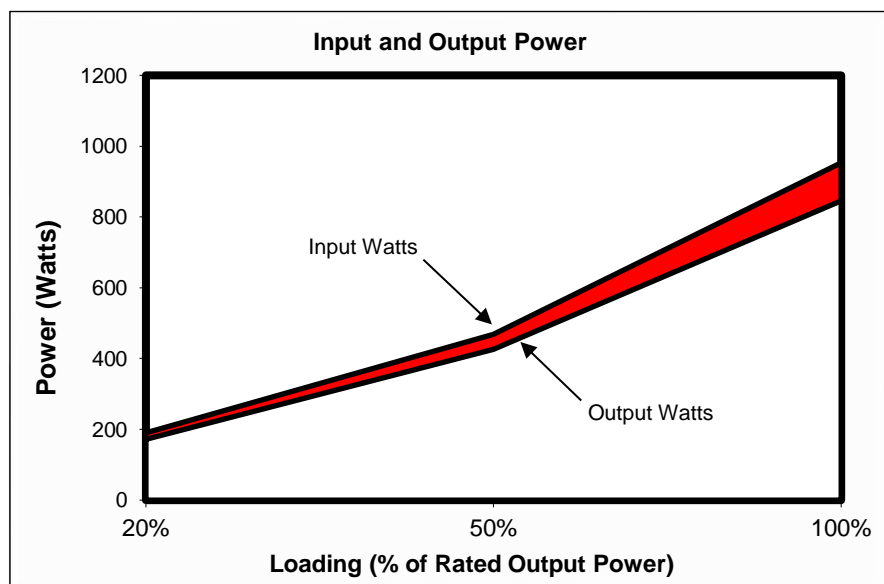

These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. *http://www.80plus.org/*