

80 PLUS Verification and Testing Report

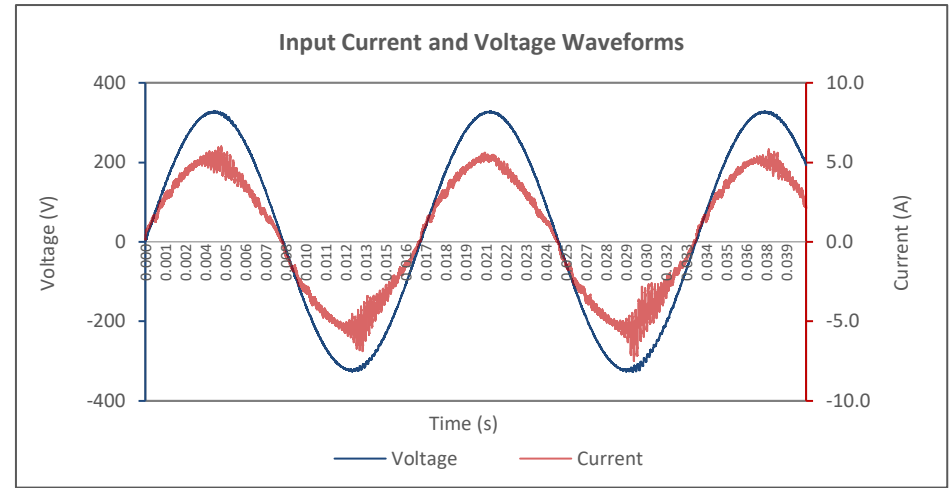
TYPICAL EFFICIENCY (50% Load):	96.21%
AVERAGE EFFICIENCY :	91.91%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2604
Manufacturer	FSP Technology Inc.
Model Number	FSP1600-21HM
Serial Number	S4321000017
Type	1U
Test Date	01/21/25

Rated Specifications	Value	Units
Input Voltage	100-127/200-240	Volts
Input Current	12/9.5	Amps
Input Frequency	47-63	Hz
Rated Output Power	1,600	Watts

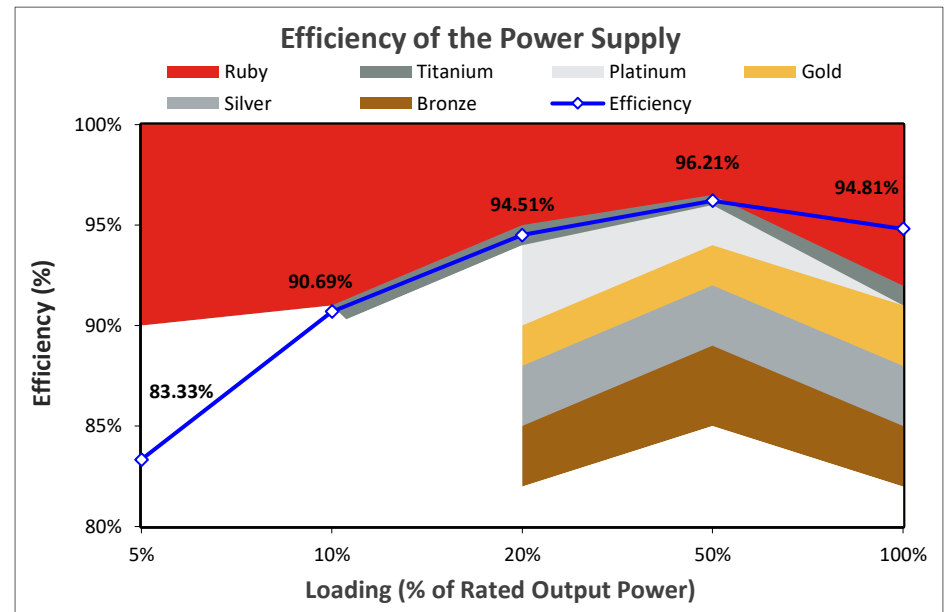
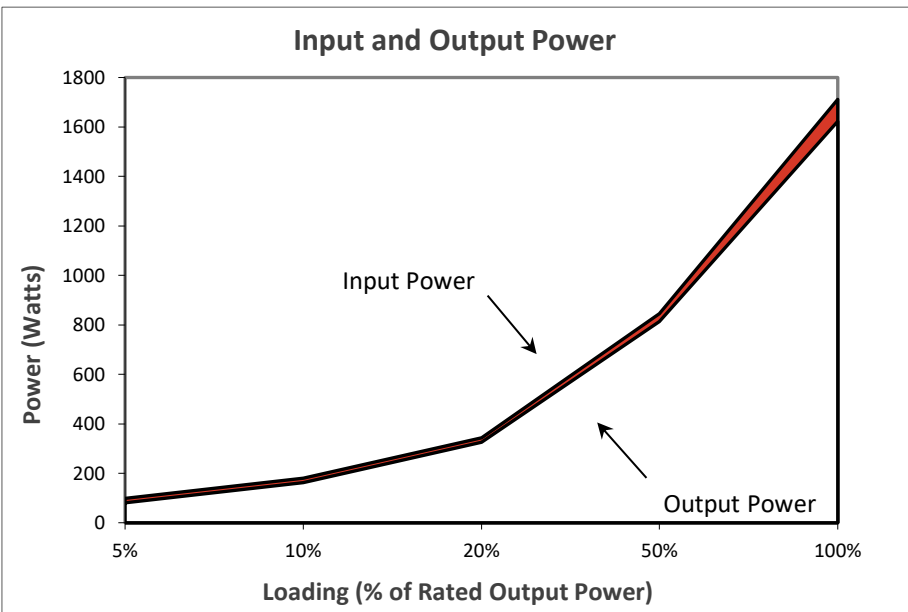
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 3.89%, 50% Load)

I _{RMS}	PF	I _{THD} (%)	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
							12V	12Vsb		
0.247	0.0347	6.292	0%	No-Load	1.97	18.19	No-Load			
0.499	0.8491	12.137	5%	Minimum	97.45	18.15	12.204/6.510	11.996/0.147	81.21	83.33%
0.835	0.9336	8.820	10%	Low	179.40	18.13	12.203/13.045	11.976/0.294	162.71	90.69%
1.535	0.9747	8.805	20%	Light	344.09	18.12	12.202/26.077	11.954/0.587	325.20	94.51%
3.696	0.9935	3.891	50%	Typical	844.54	18.10	12.196/65.188	11.921/1.466	812.53	96.21%
7.455	0.9983	1.903	100%	Full	1711.59	17.96	12.178/130.391	11.890/2.932	1622.76	94.81%

* Fan power is not included in the efficiency calculations, external fan voltage applied = 12.02Vdc



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.
<https://www.clearexult.com/80plus/> [clearexult.com]