

80 PLUS Verification and Testing Report

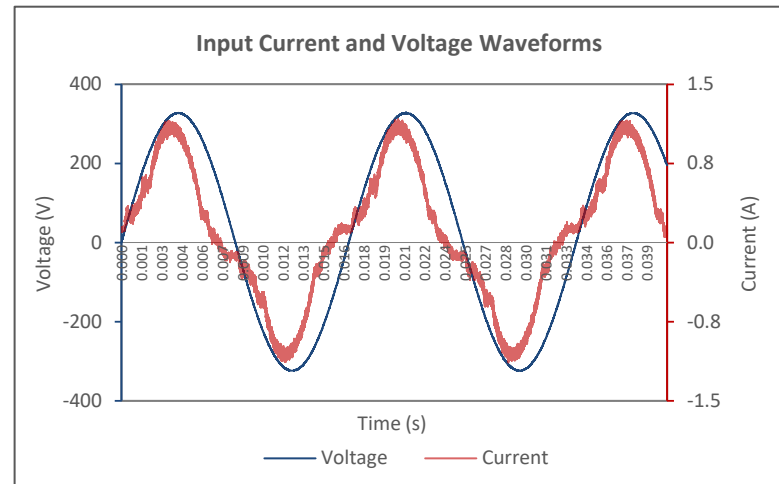
TYPICAL EFFICIENCY (50% Load):	92.87%
AVERAGE EFFICIENCY :	89.86%
80 PLUS COMPLIANT:	Gold



ID Number	SO-2502
Manufacturer	GOLDEN REGENT ELECTRONICS INDUSTRIAL LTD
Model Number	PSR250-12A1
Serial Number	GHL76867243002356
Type	1U
Test Date	08/14/24

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4	Amps
Input Frequency	50/60	Hz
Rated Output Power	250	Watts

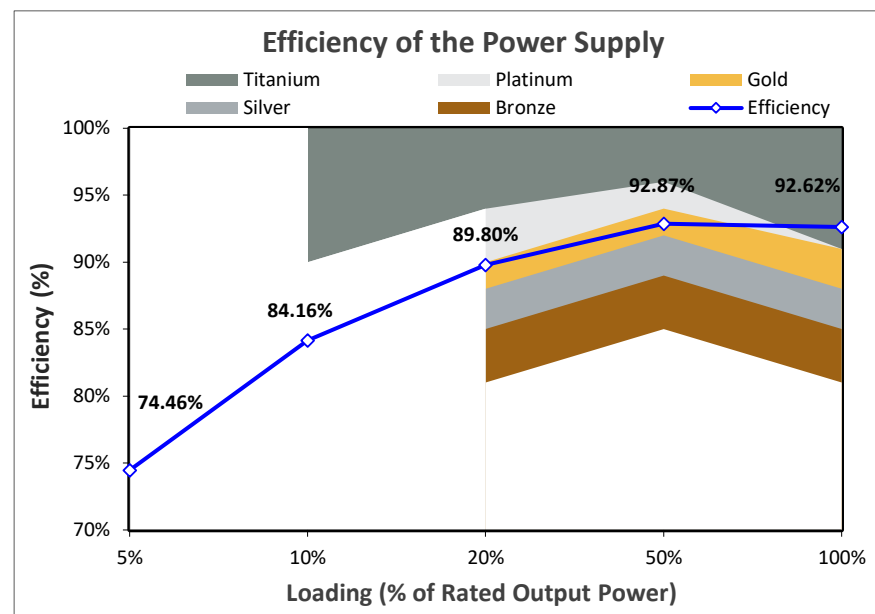
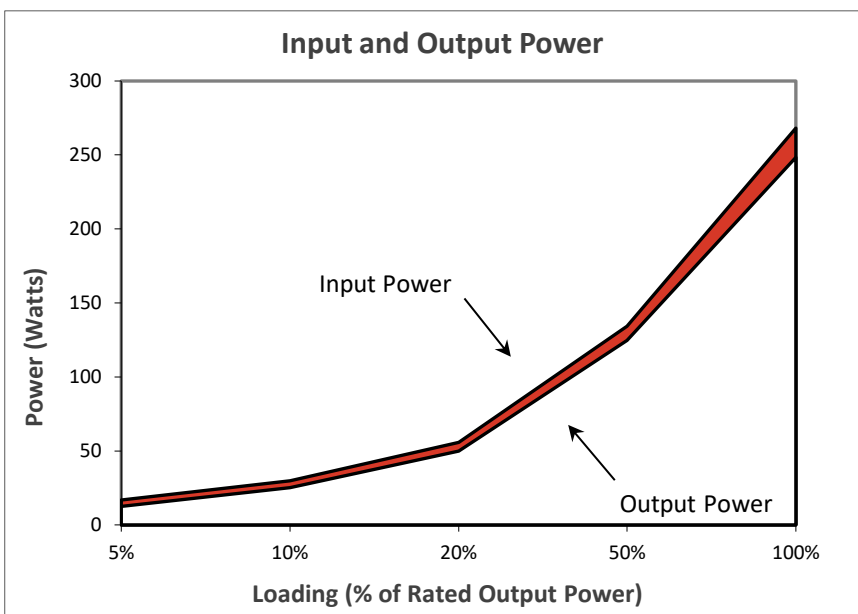
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 26.8%, 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	3.3Vsb		
0.102	0.1432	8.136	0%	No-Load	3.36	3.01	No-Load			
0.142	0.5127	21.403	5%	Minimum	16.72	3.01	11.98/1.01	3.34/0.1	12.45	74.46%
0.189	0.6855	24.330	10%	Low	29.73	3.00	11.98/2.03	3.34/0.19	25.02	84.16%
0.298	0.8119	34.447	20%	Light	55.61	3.00	11.98/4.06	3.34/0.39	49.93	89.80%
0.630	0.9258	26.803	50%	Typical	134.15	3.00	11.96/10.15	3.33/0.97	124.59	92.87%
1.200	0.9715	16.933	100%	Full	268.16	2.99	11.92/20.29	3.31/1.94	248.37	92.62%

* Fan power is not included in the efficiency calculations, external fan voltage applied = 12.01Vdc



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/>