



develop

PSU test report

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3 Point of operation

The test has been conducted with the following conditions

Voltage/Frequency: 250V-50Hz

Ambient Temperature: 28.27C





4 Standby power consumption

Voltage: 250.70V

Frequency: 50Hz

Current: 0.002407A

P active: 0.104W

P apparent: 0.603VA

P reactive: 0.594VAR

P factor: 0.172

Output voltage: 12.043V



5 Load testing

Characteristics

Voltage: 250.70V

Frequency: 50Hz

Loads: 0.000A to 1.000A

Minimum output voltage: 11.771V

Maximum output voltage: 12.136V

Regulation error absolute: -0.229V/+0.136V

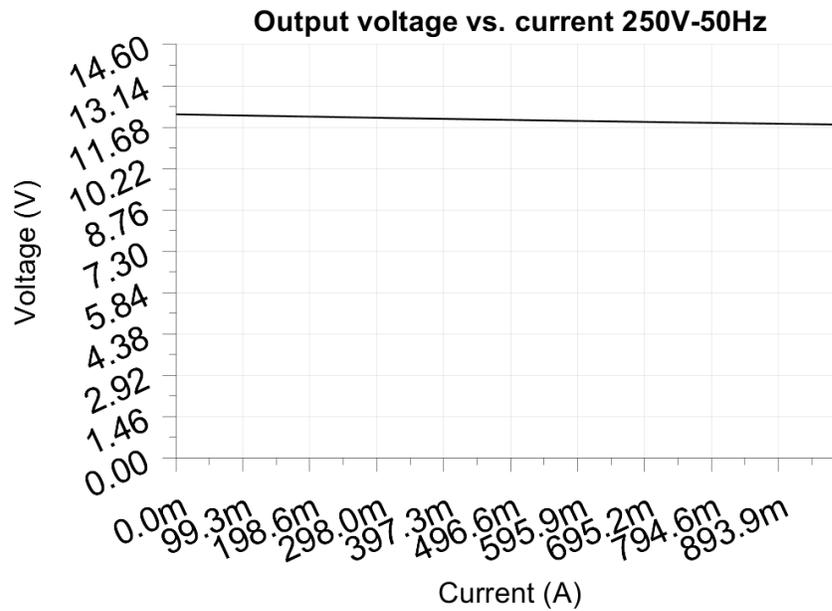
Regulation error relative: -1.9%/+1.1%

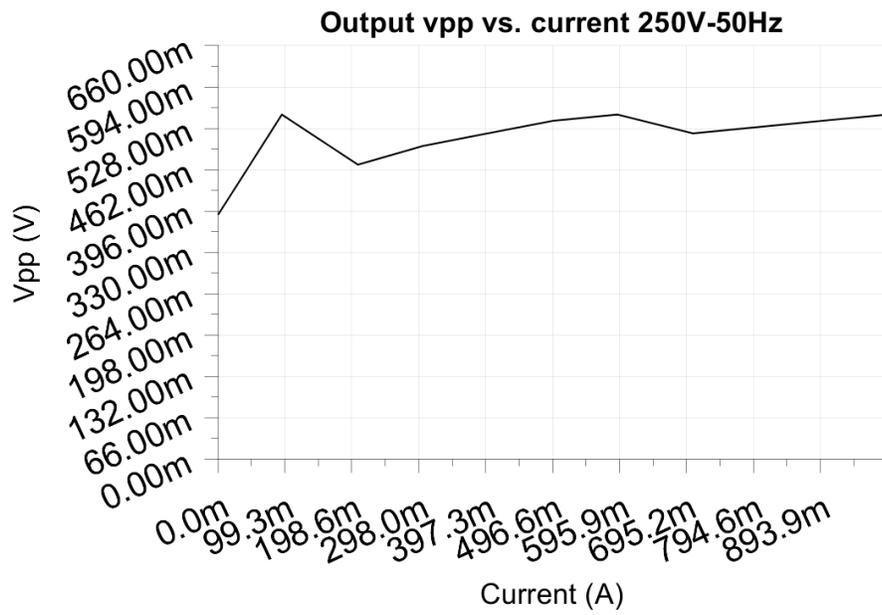
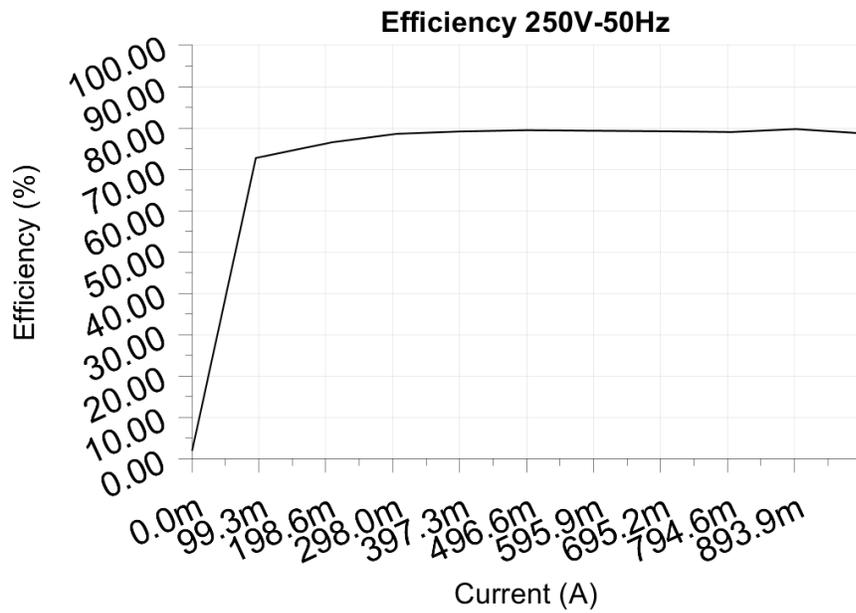
Vpp ripple&noise absolute: 0.550V

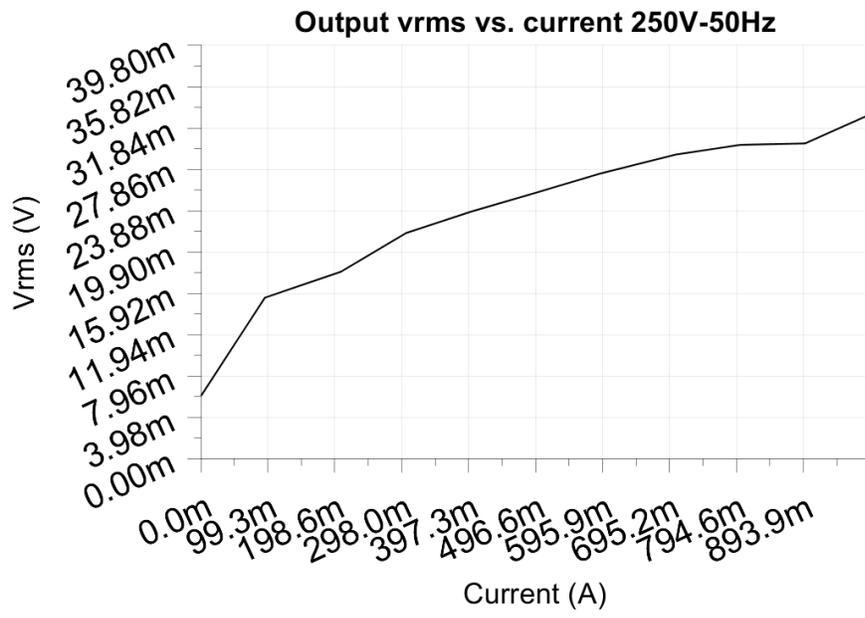
Vpp ripple&noise relative: 4.6%

RMS ripple&noise absolute: 0.033V

RMS ripple&noise relative: 0.3%







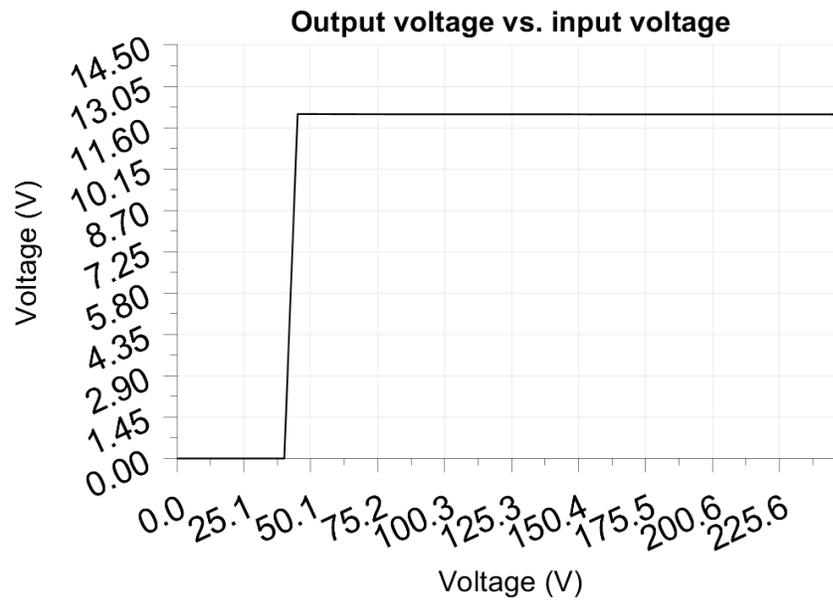
6 Turn on voltage

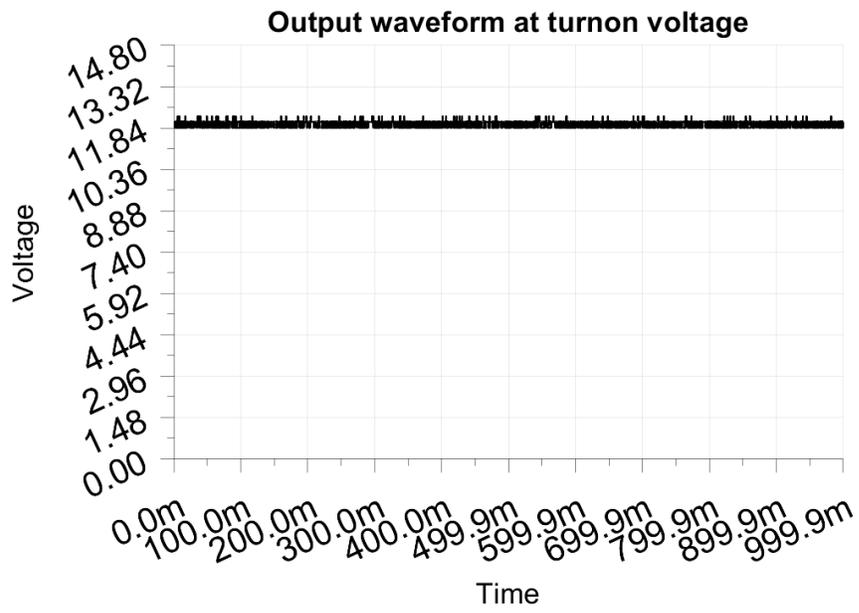
Testing when the PSU enables it's output

Test load: 0.100A
Test Frequency: 50Hz
Threshold: 9.000V

Turn-on voltage: 45.00V

Output voltage: 12.077V





7 Conducted EMI

No EMI test results

8 Overload testing

No overload test results