



develop

PSU test report

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2 General information

Testing the following device

Manufacturer: Vigortronix
Device name: VTX-214-006-112
Serial number: 1
Nominal voltage: 12.000V
Nominal current: 0.500A
Tester: Bernhard Woerndl-Aichriedler <bwa@xdevelop.at>
Start time: 13-Jul-2016 23:09:22



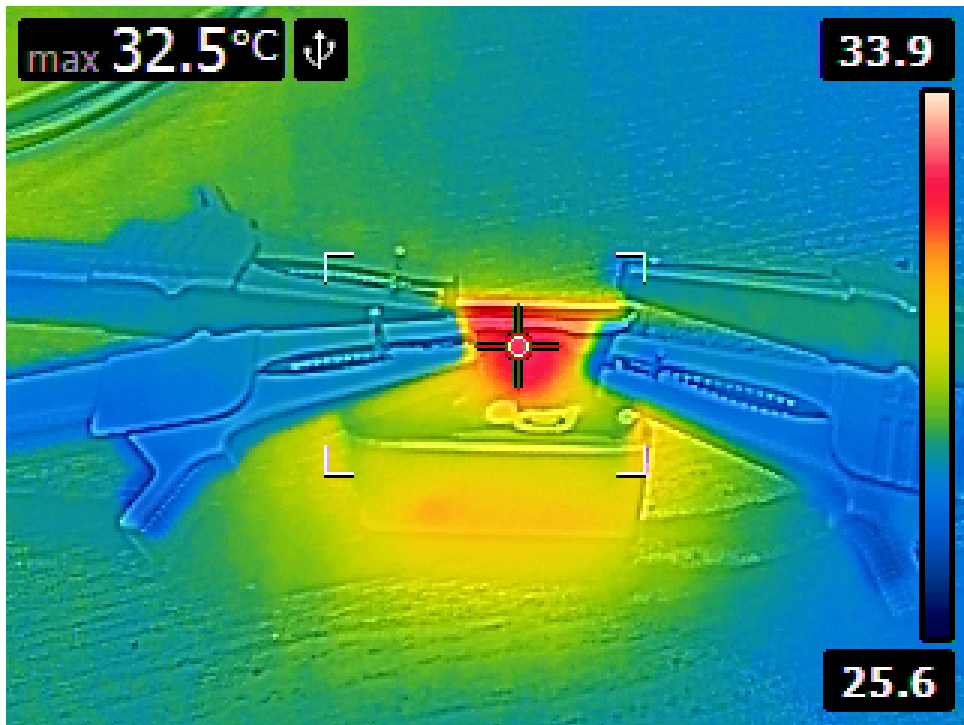
3 Point of operation

The test has been conducted with the following conditions

Voltage/Frequency: 250V-50Hz

Ambient Temperature: 30.79C





4 Standby power consumption

Voltage: 250.70V

Frequency: 50Hz

Current: 0.001644A

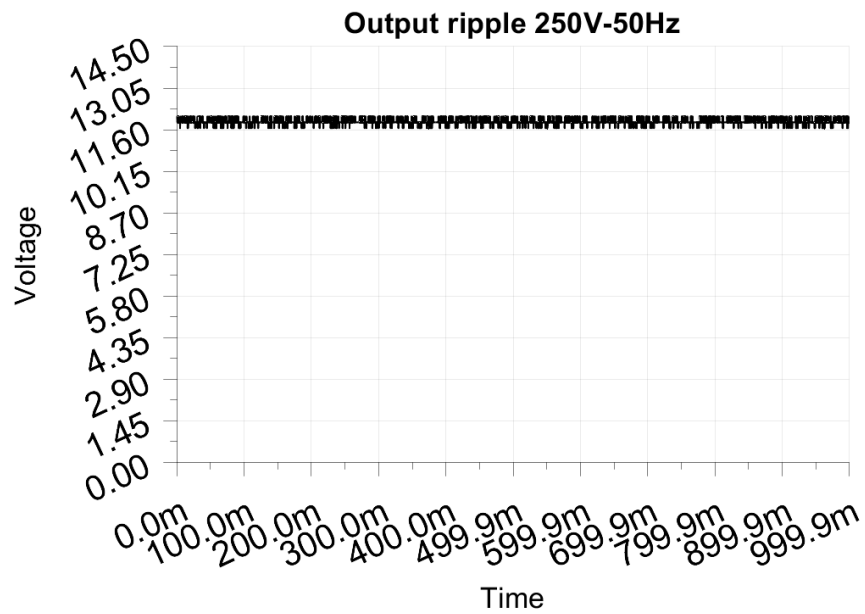
P active: 0.071W

P apparent: 0.412VA

P reactive: 0.406VAR

P factor: 0.172

Output voltage: 11.947V



5 Load testing

Characteristics

Voltage: 250.69V

Frequency: 50Hz

Loads: 0.000A to 0.500A

Minimum output voltage: 11.916V

Maximum output voltage: 11.940V

Regulation error absolute: -0.084V/+0.060V

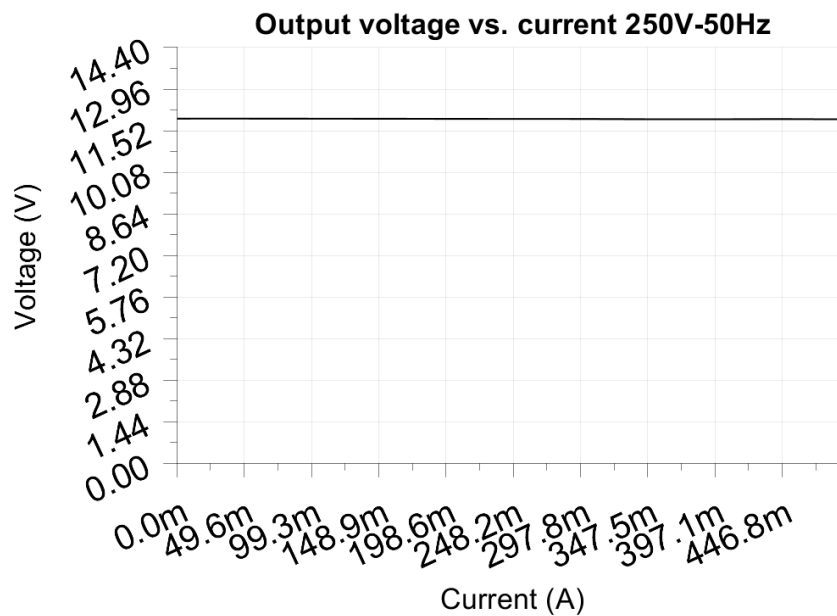
Regulation error relative: -0.7%/+0.5%

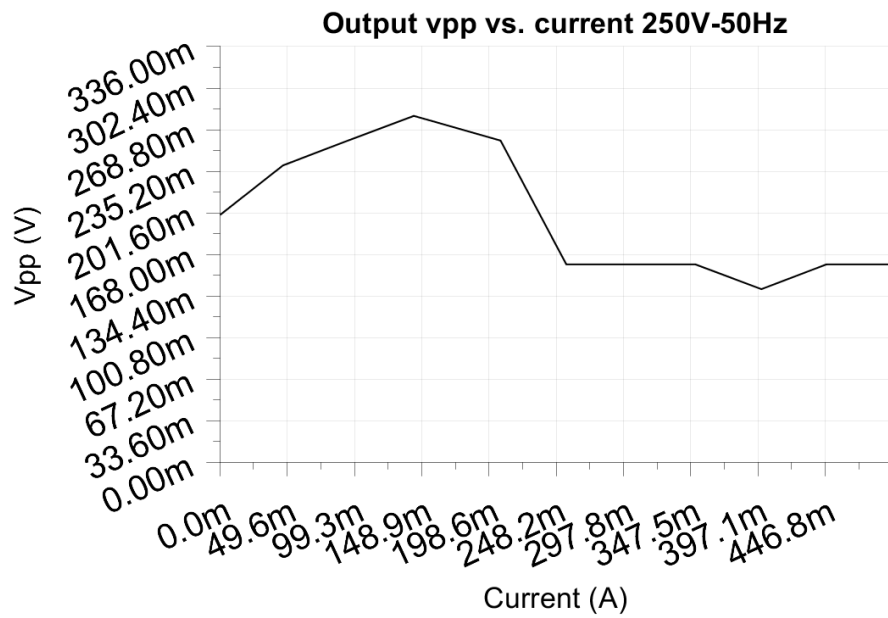
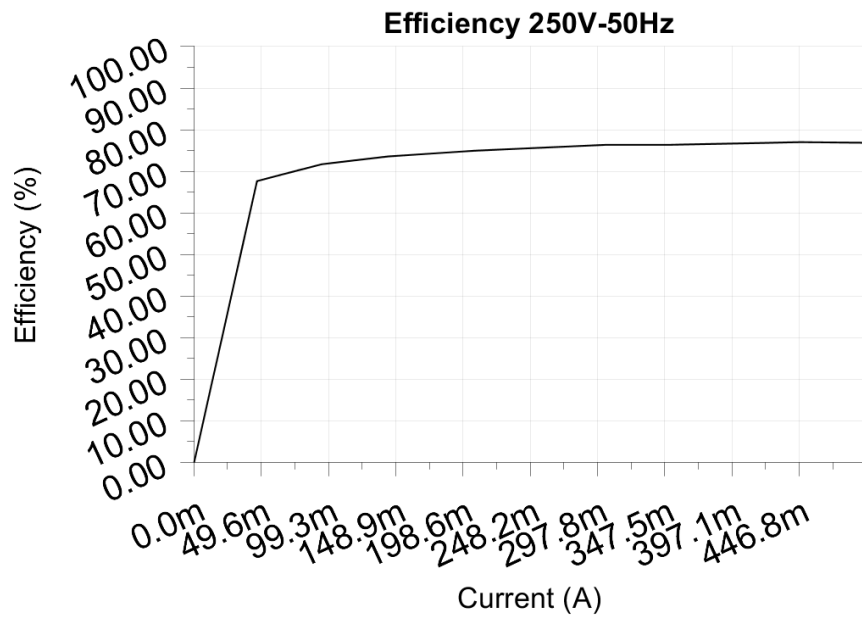
Vpp ripple&noise absolute: 0.280V

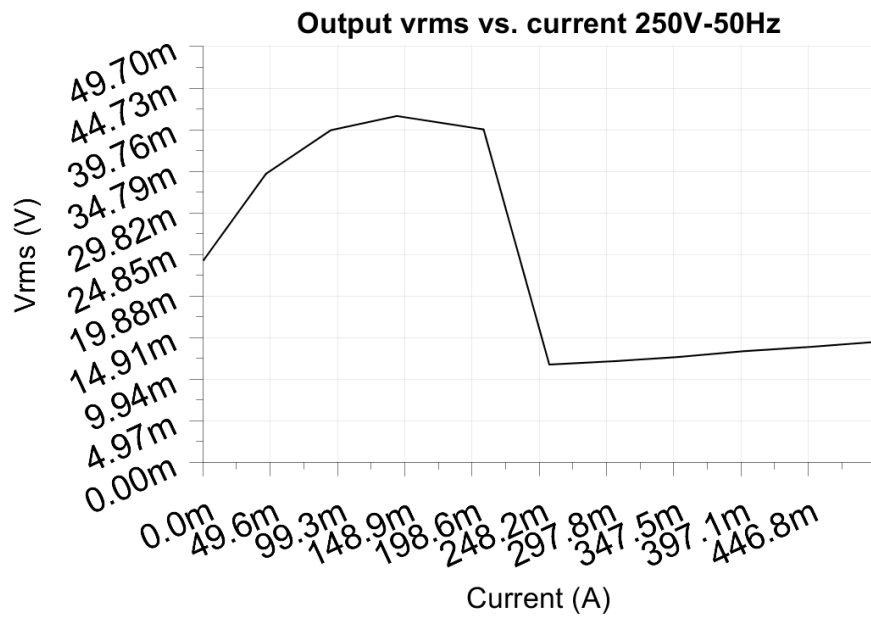
Vpp ripple&noise relative: 2.3%

RMS ripple&noise absolute: 0.041V

RMS ripple&noise relative: 0.3%







6 Turn on voltage

Testing when the PSU enables it's output

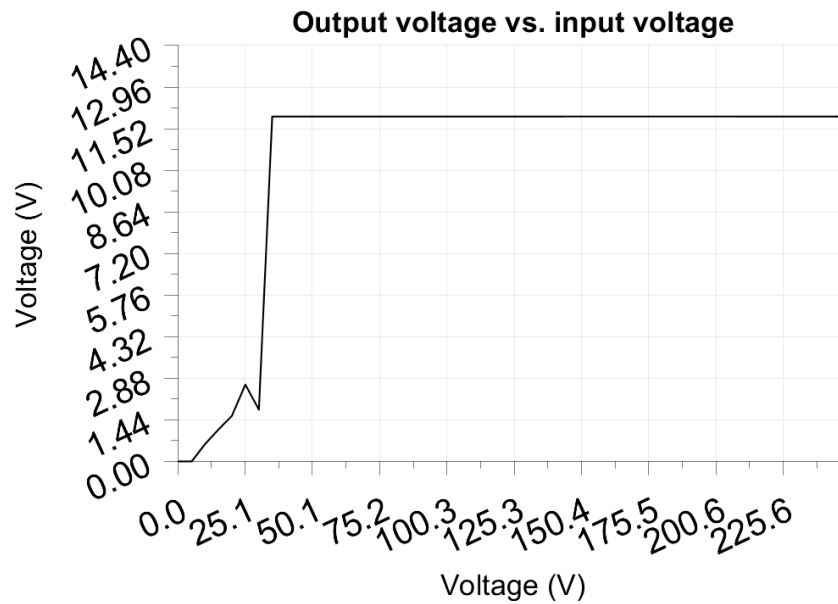
Test load: 0.050A

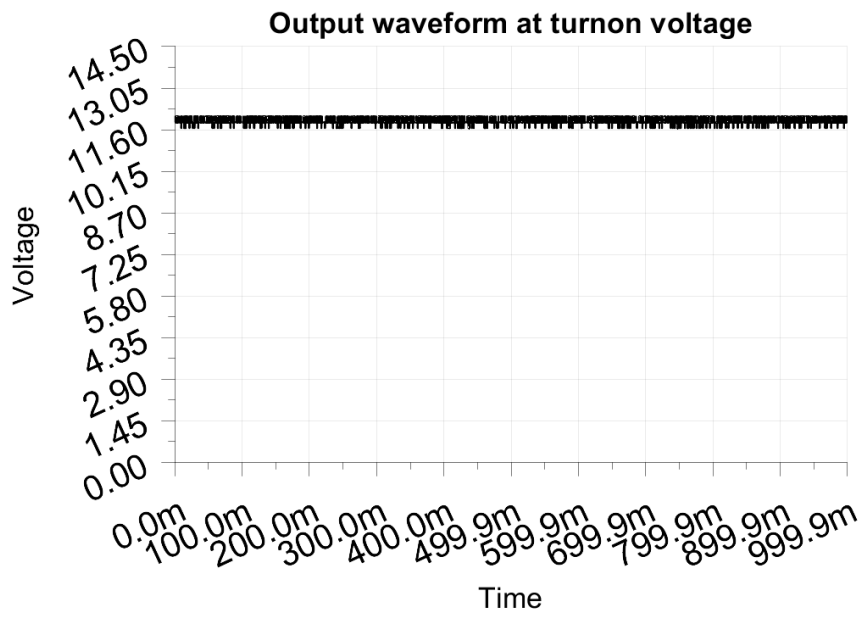
Test Frequency: 50Hz

Threshold: 9.000V

Turn-on voltage: 35.00V

Output voltage: 11.942V





7 Conducted EMI

No EMI test results

8 Overload testing

No overload test results