



develop

PSU test report

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2 General information

Testing the following device

Manufacturer: Vigortronix
Device name: VTX-214-010-112
Serial number: 1
Nominal voltage: 12.000V
Nominal current: 0.830A
Tester: Bernhard Woerndl-Aichriedler <bwa@xdevelop.at>
Start time: 13-Jul-2016 21:38:55

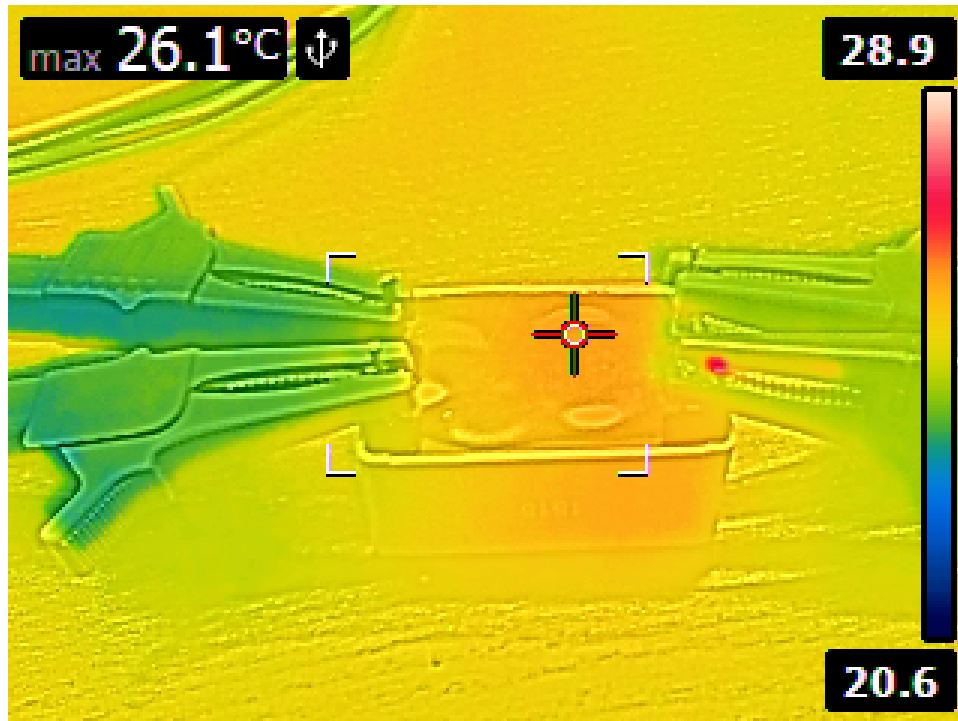


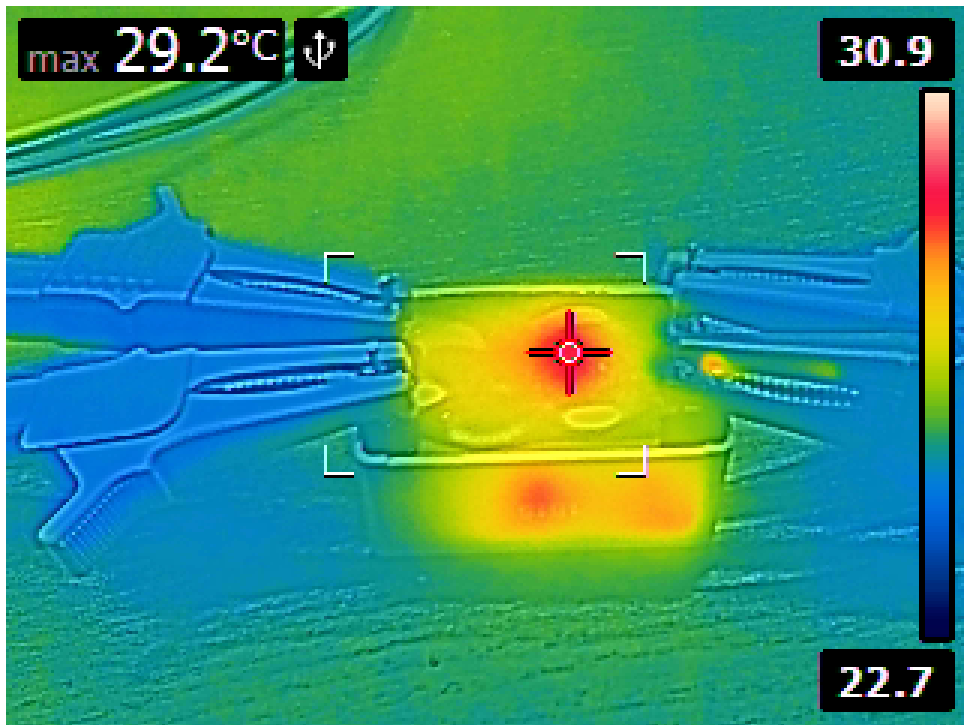
3 Point of operation

The test has been conducted with the following conditions

Voltage/Frequency: 210V-50Hz

Ambient Temperature: 28.61C





4 Standby power consumption

Voltage: 210.62V

Frequency: 50Hz

Current: 0.003033A

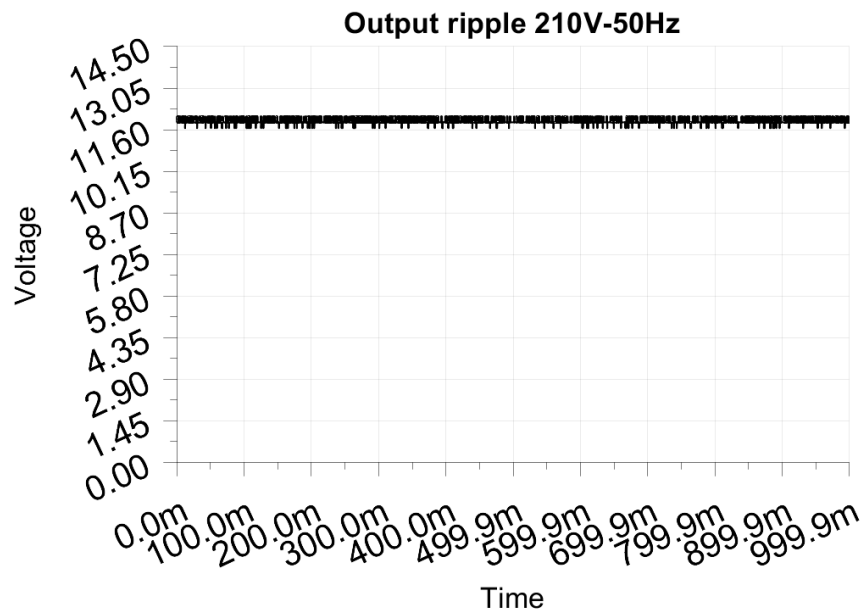
P active: 0.137W

P apparent: 0.649VA

P reactive: 0.635VAR

P factor: 0.210

Output voltage: 11.924V



5 Load testing

Characteristics

Voltage: 210.62V

Frequency: 50Hz

Loads: 0.000A to 0.830A

Minimum output voltage: 11.906V

Maximum output voltage: 11.923V

Regulation error absolute: -0.094V/+0.077V

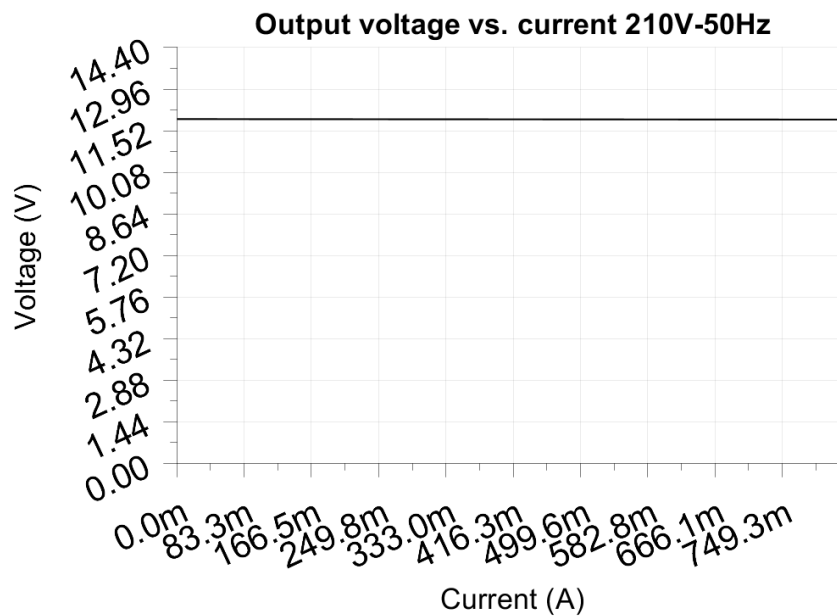
Regulation error relative: -0.8%/+0.6%

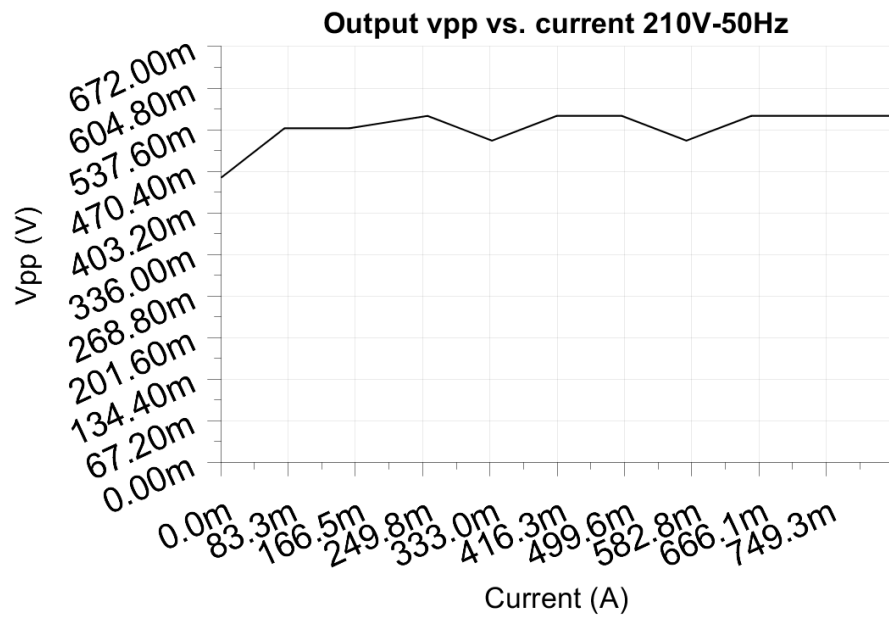
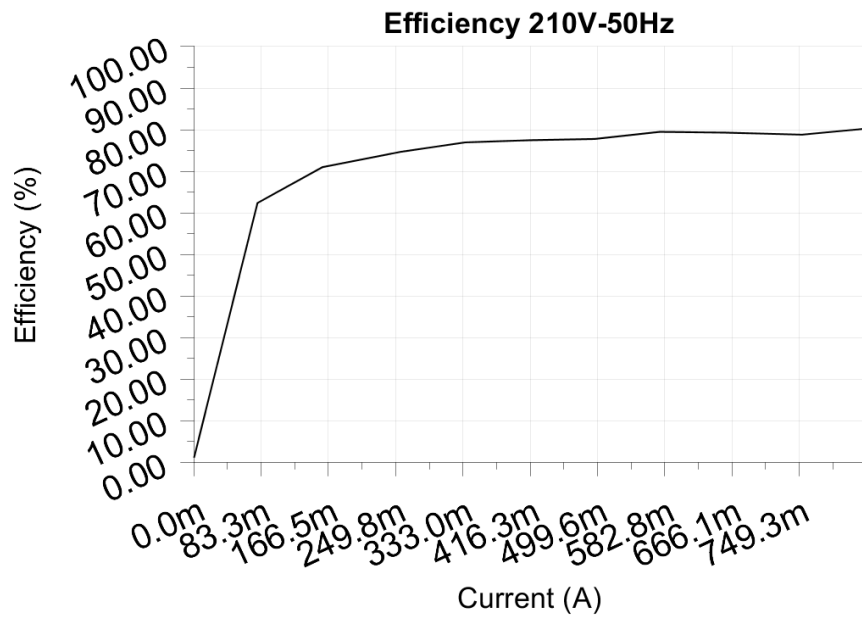
Vpp ripple&noise absolute: 0.560V

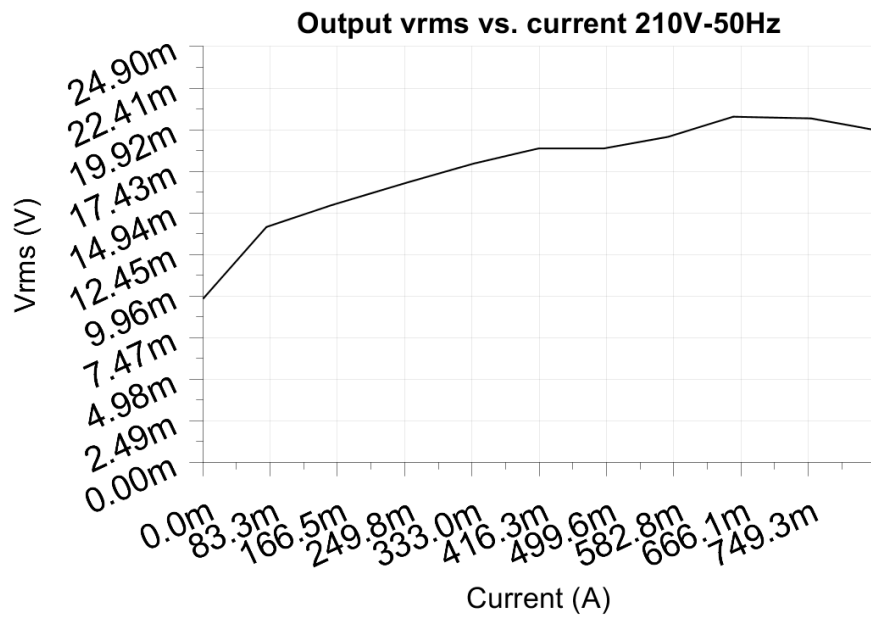
Vpp ripple&noise relative: 4.7%

RMS ripple&noise absolute: 0.021V

RMS ripple&noise relative: 0.2%







6 Turn on voltage

Testing when the PSU enables it's output

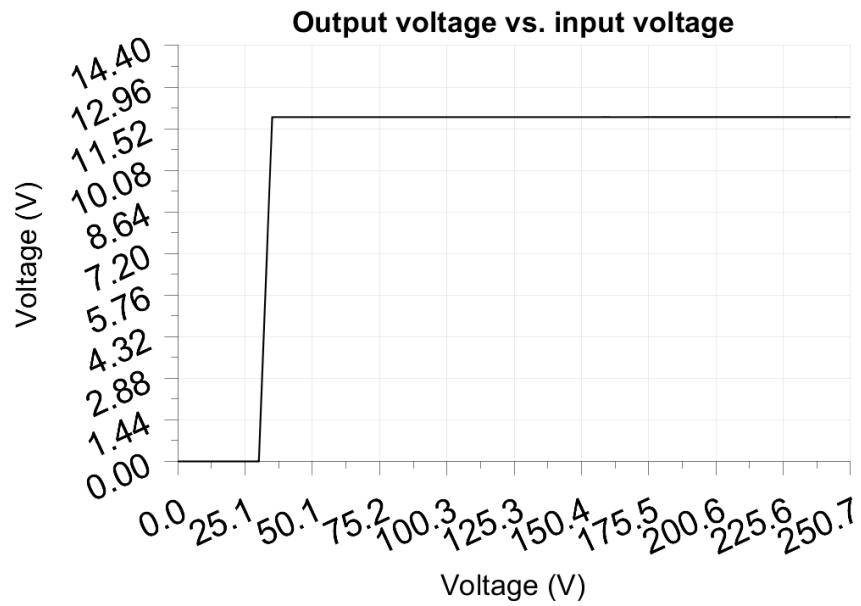
Test load: 0.083A

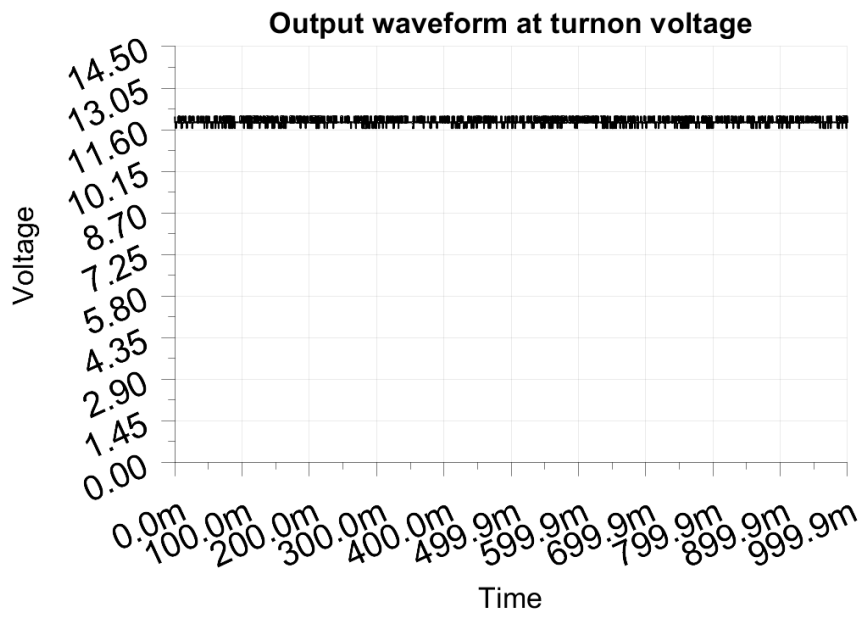
Test Frequency: 50Hz

Threshold: 9.000V

Turn-on voltage: 35.00V

Output voltage: 11.922V





7 Conducted EMI

No EMI test results

8 Overload testing

No overload test results