



develop

PSU test report

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2 General information

Testing the following device

Manufacturer: Vigortronix
Device name: VTX-214-003-112
Serial number: 1
Nominal voltage: 12.000V
Nominal current: 0.250A
Tester: Bernhard Woerndl-Aichriedler <bwa@xdevelop.at>
Start time: 13-Jul-2016 23:34:41



3 Point of operation

The test has been conducted with the following conditions

Voltage/Frequency: 210V-50Hz

Ambient Temperature: 31.25C





4 Standby power consumption

Voltage: 210.59V

Frequency: 50Hz

Current: 0.001716A

P active: 0.087W

P apparent: 0.361VA

P reactive: 0.351VAR

P factor: 0.240

Output voltage: 12.057V



5 Load testing

Characteristics

Voltage: 210.61V

Frequency: 50Hz

Loads: 0.000A to 0.250A

Minimum output voltage: 12.055V

Maximum output voltage: 12.088V

Regulation error absolute: -0.055V/+0.088V

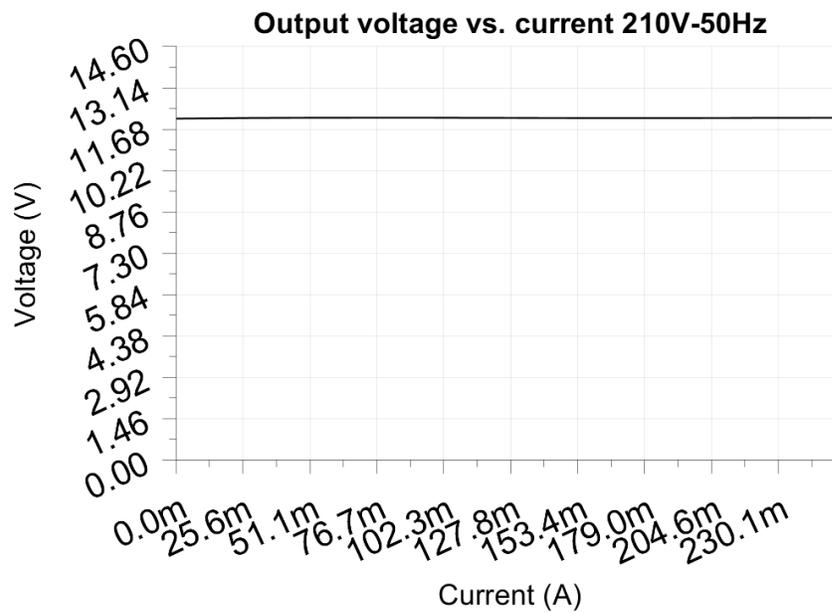
Regulation error relative: -0.5%/+0.7%

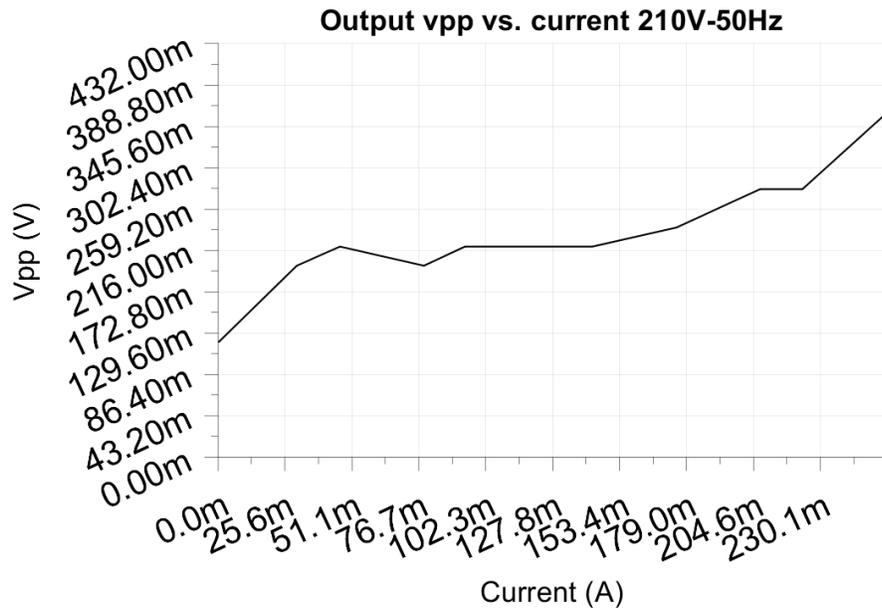
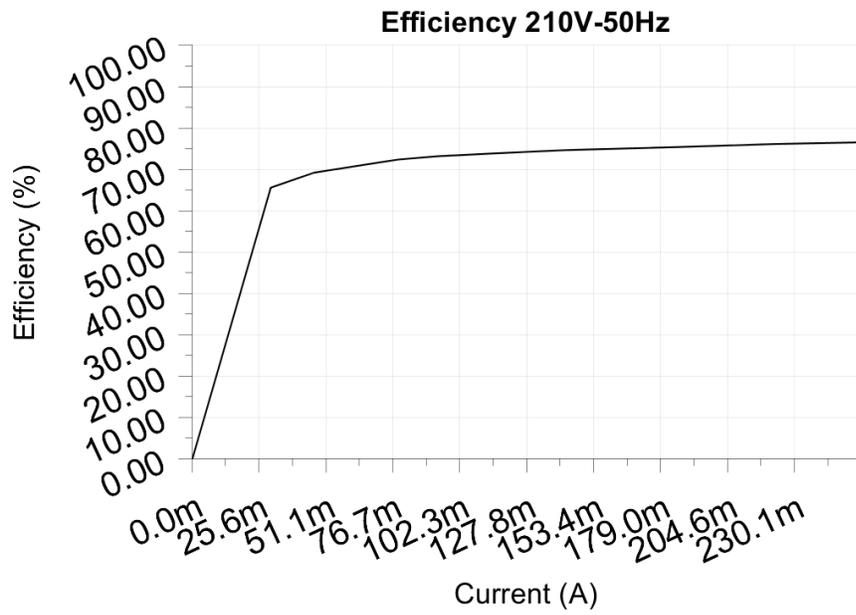
Vpp ripple&noise absolute: 0.360V

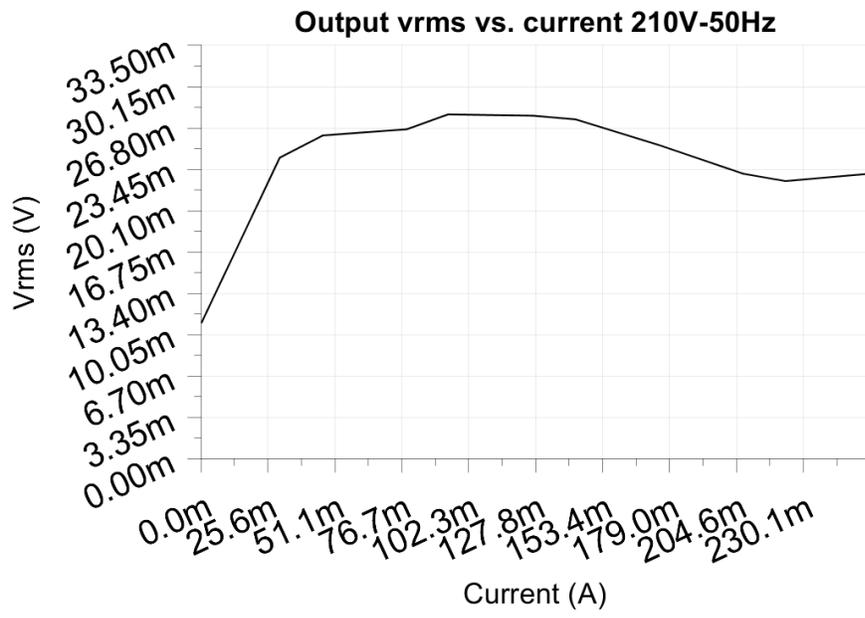
Vpp ripple&noise relative: 3.0%

RMS ripple&noise absolute: 0.028V

RMS ripple&noise relative: 0.2%







6 Turn on voltage

Testing when the PSU enables it's output

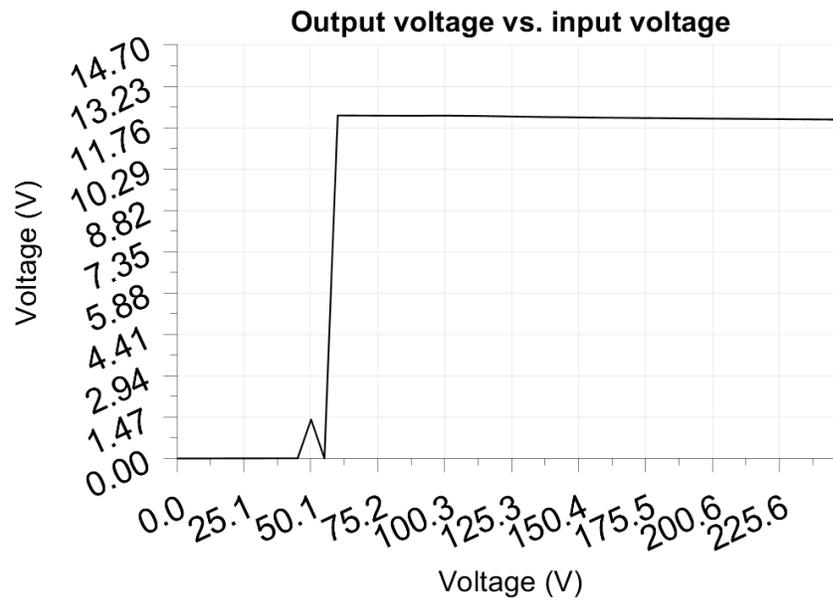
Test load: 0.025A

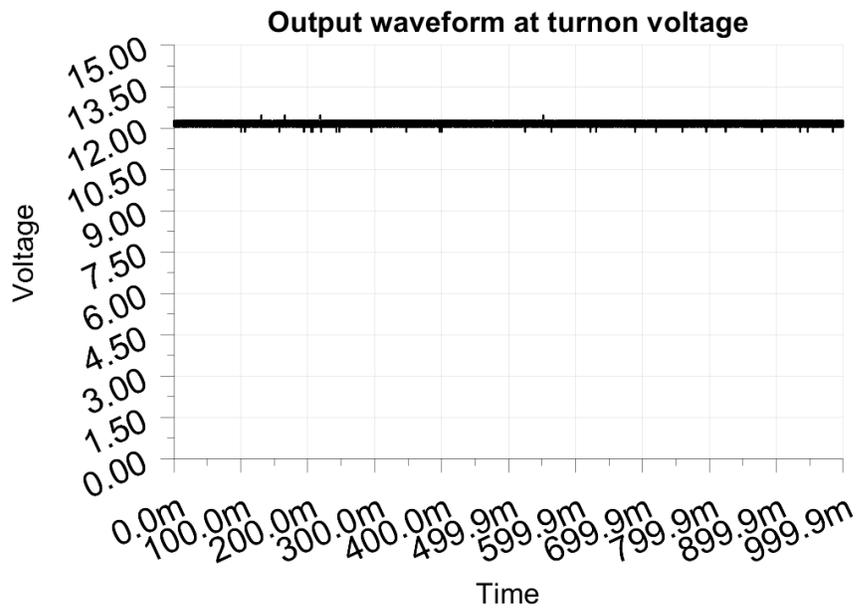
Test Frequency: 50Hz

Threshold: 9.000V

Turn-on voltage: 60.00V

Output voltage: 12.194V





7 Conducted EMI

No EMI test results

8 Overload testing

No overload test results