



PSU test report

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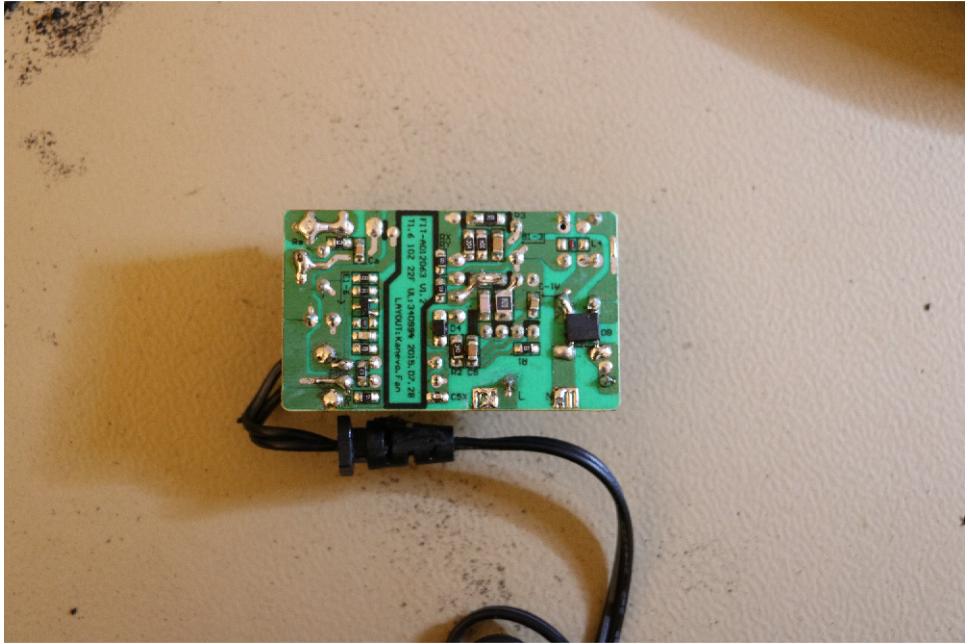
2 General information

Testing the following device

Manufacturer: DRAGINO
Device name: TP12-120100E
Serial number: 1
Nominal voltage: 12.000V
Nominal current: 1.000A
Tester: Bernhard Woerndl-Aichriedler <bwa@xdevelop.at>
Start time: 12-Jul-2016 16:52:29







3 Point of operation

The test has been conducted with the following conditions

Voltage/Frequency: 250V-50Hz
Ambient Temperature: 32.17C





4 Standby power consumption

Voltage: 250.67V

Frequency: 50Hz

Current: 0.003834A

P active: 0.152W

P apparent: 0.961VA

P reactive: 0.949VAR

P factor: 0.158

Output voltage: 12.299V



5 Load testing

Characteristics

Voltage: 250.67V

Frequency: 50Hz

Loads: 0.000A to 1.100A

Minimum output voltage: 11.832V

Maximum output voltage: 12.258V

Regulation error absolute: -0.168V/+0.258V

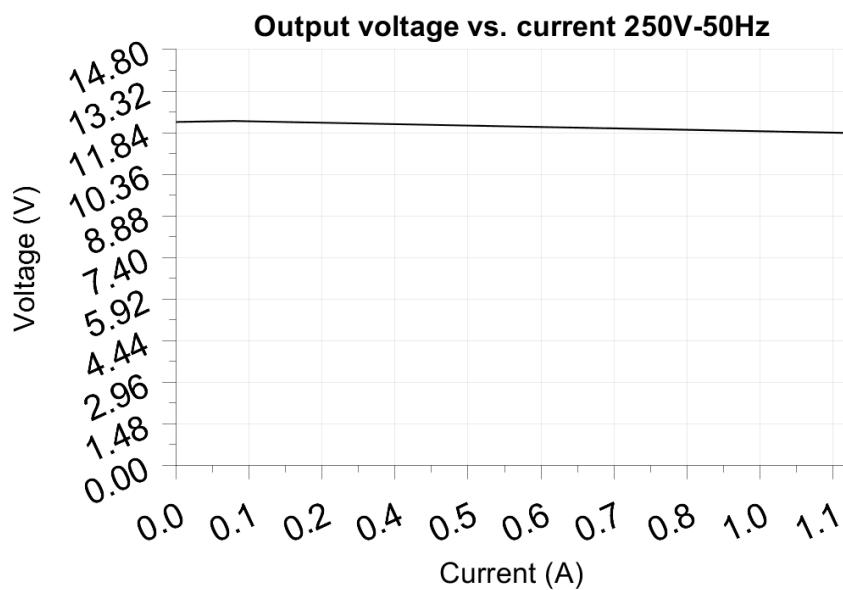
Regulation error relative: -1.4%/+2.2%

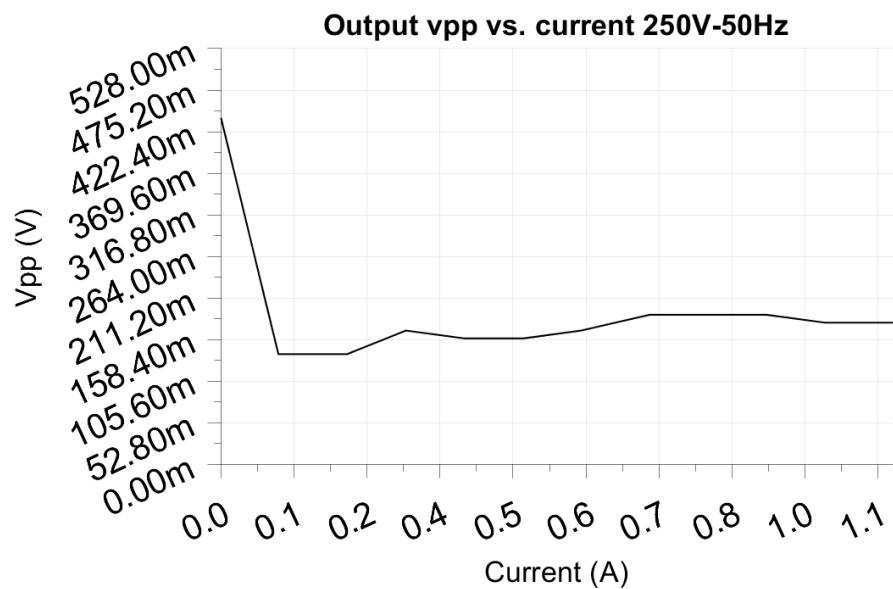
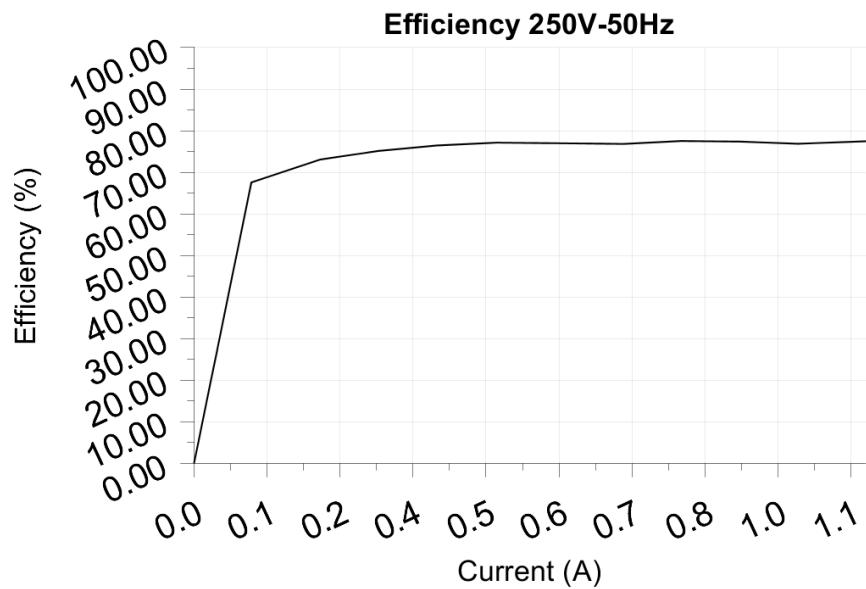
Vpp ripple&noise absolute: 0.440V

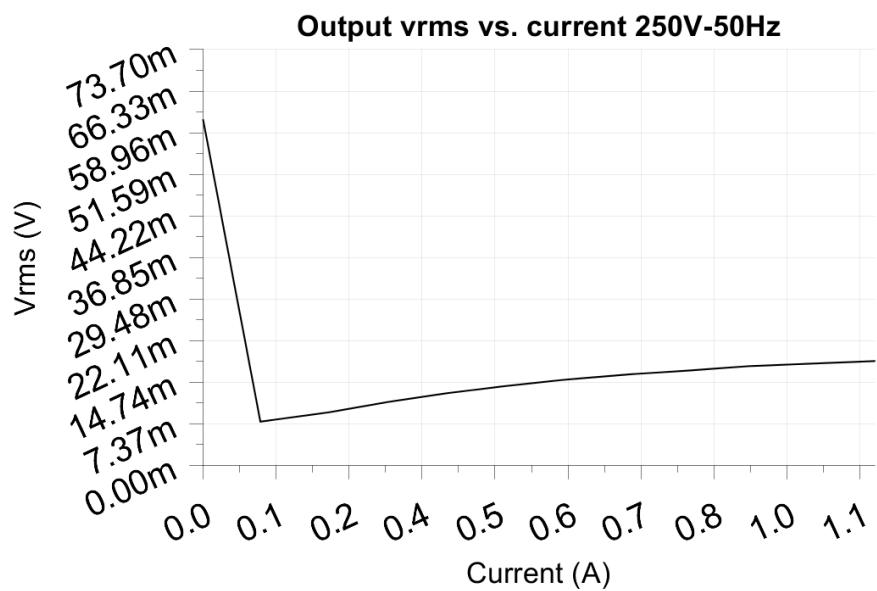
Vpp ripple&noise relative: 3.7%

RMS ripple&noise absolute: 0.061V

RMS ripple&noise relative: 0.5%



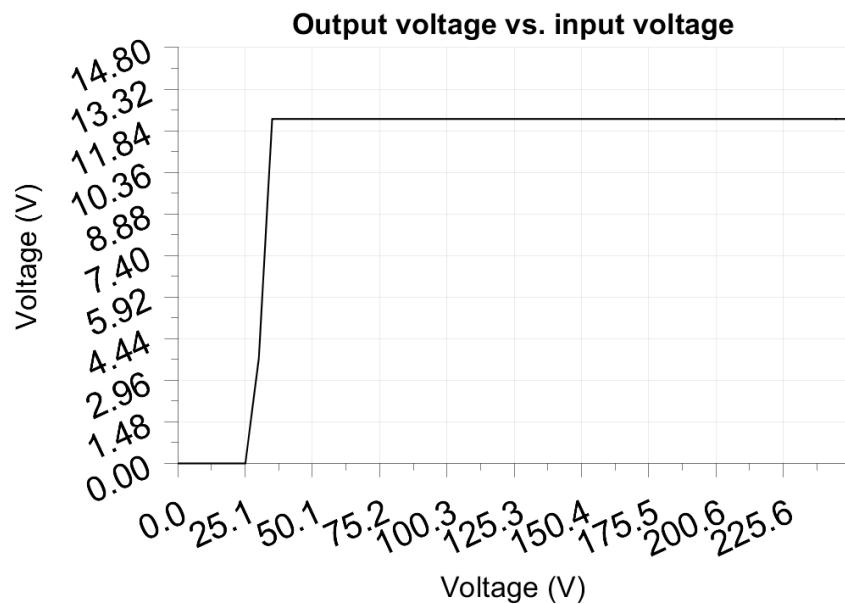


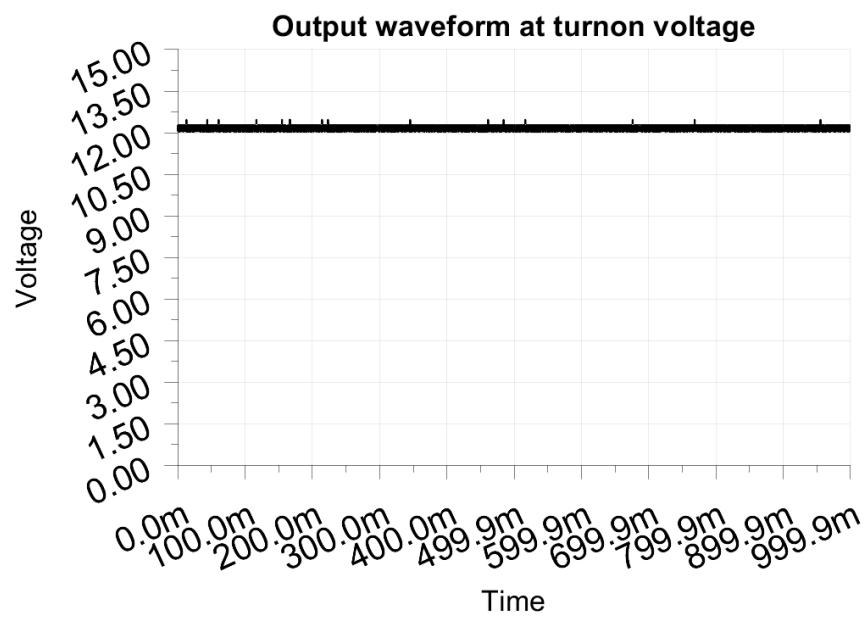


6 Turn on voltage

Testing when the PSU enables it's output

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Test load: 0.100A
Test Frequency: 50Hz
Threshold: 9.000V
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Turn-on voltage: 35.00V
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Output voltage: 12.258V
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7 Conducted EMI

No EMI test results

8 Overload testing

No overload test results