



develop

PSU test report

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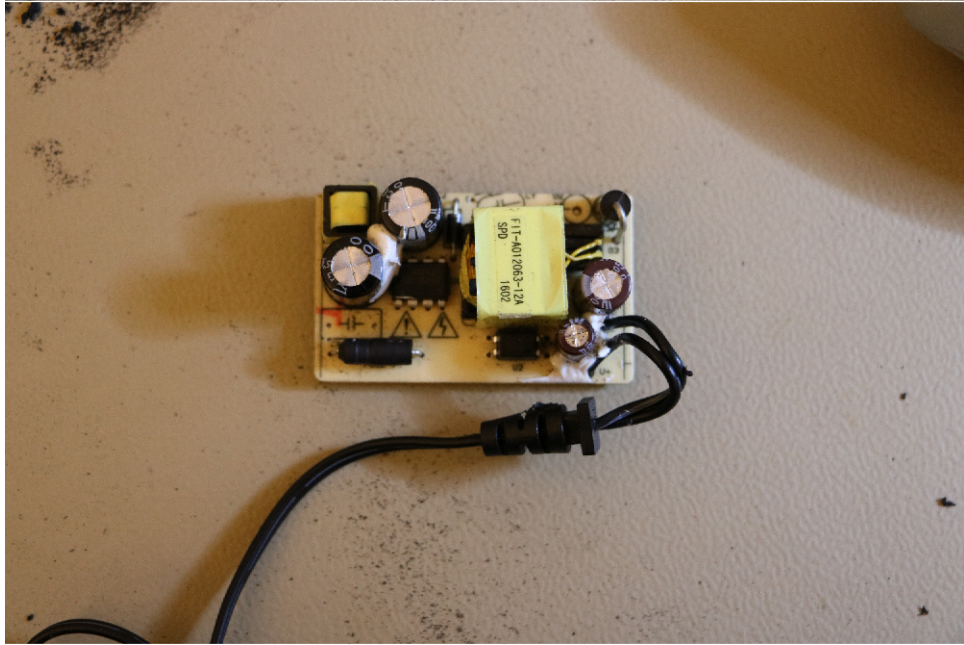
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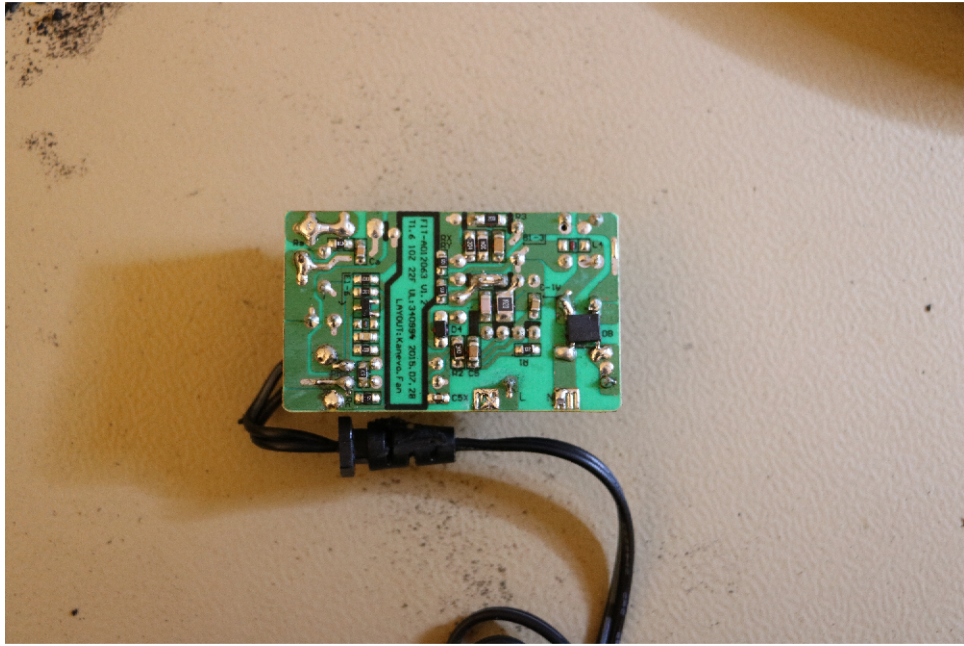
2 General information

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





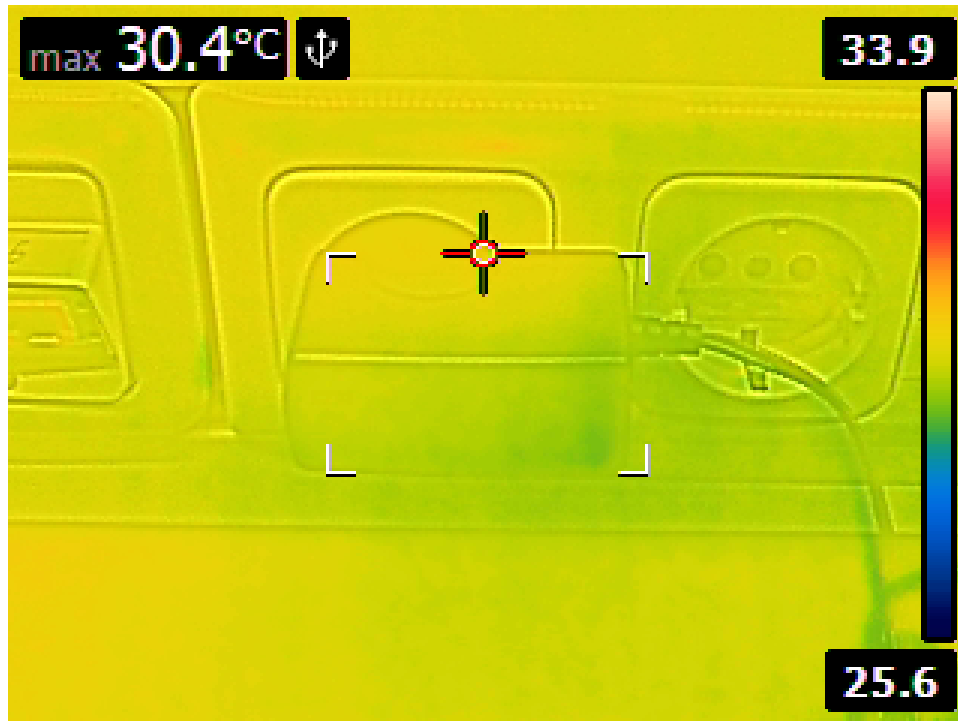


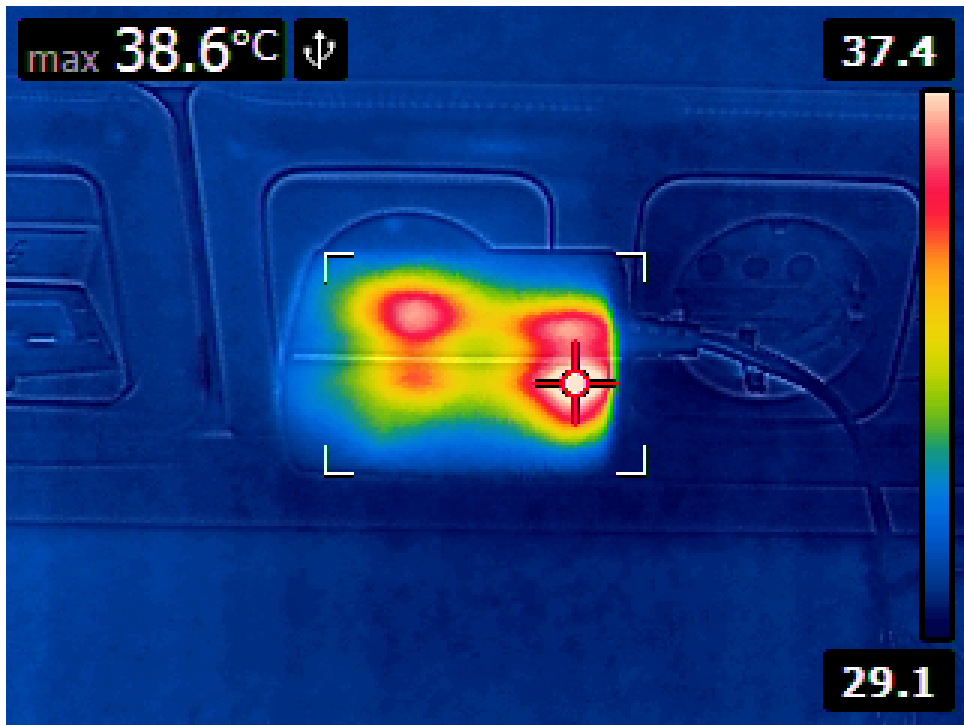
3 Point of operation

The test has been conducted with the following conditions

Voltage/Frequency: 210V-50Hz

Ambient Temperature: 32.17C





4 Standby power consumption

Voltage: 210.58V

Frequency: 50Hz

Current: 0.003553A

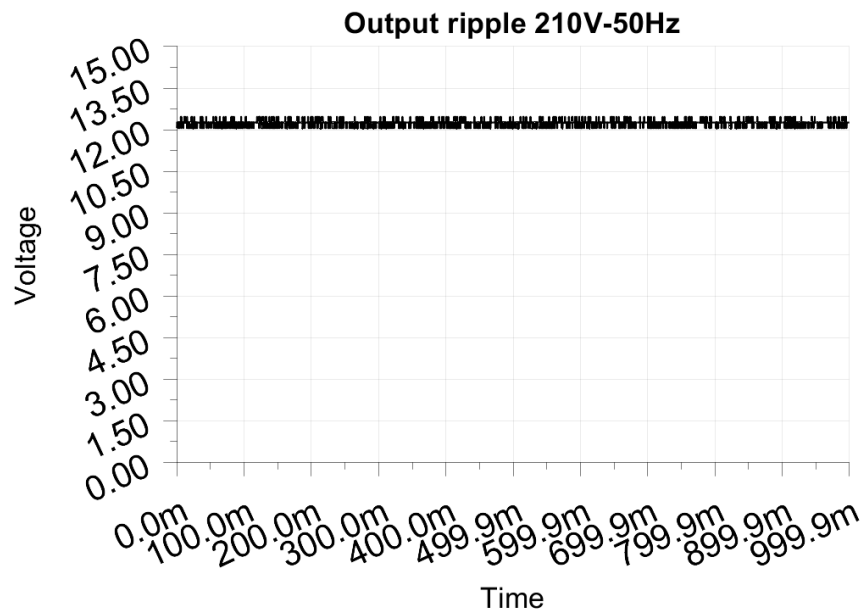
P active: 0.123W

P apparent: 0.748VA

P reactive: 0.738VAR

P factor: 0.164

Output voltage: 12.299V



5 Load testing

Characteristics

Voltage: 210.56V

Frequency: 50Hz

Loads: 0.000A to 1.100A

Minimum output voltage: 11.834V

Maximum output voltage: 12.299V

Regulation error absolute: -0.166V/+0.299V

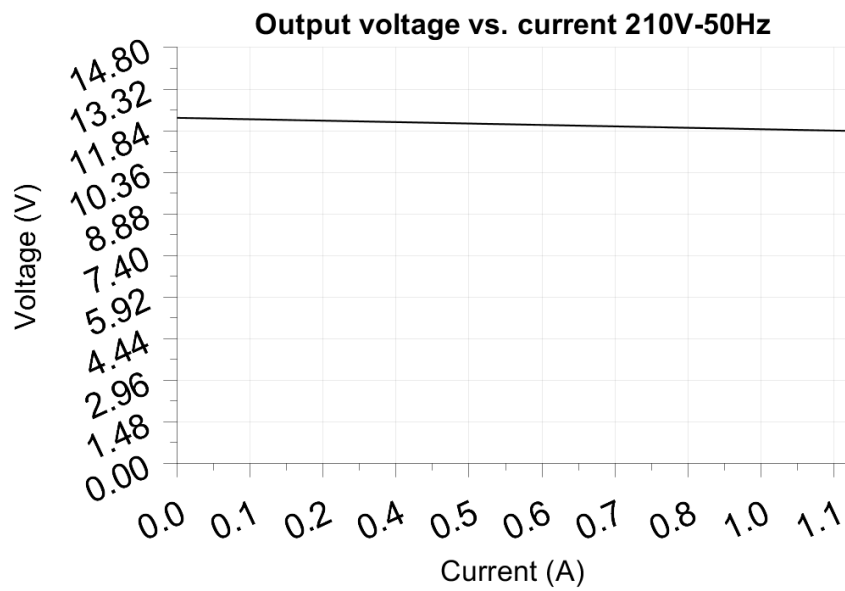
Regulation error relative: -1.4%/+2.5%

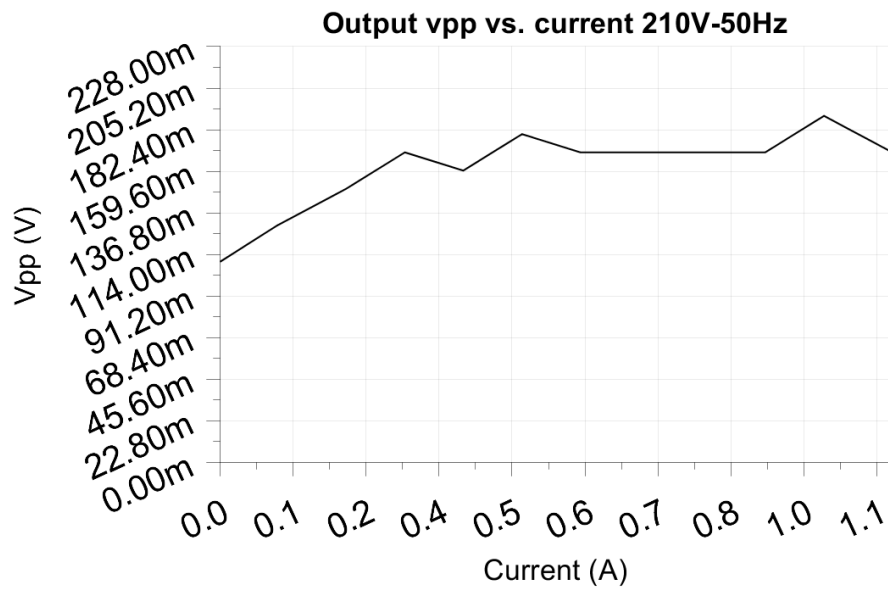
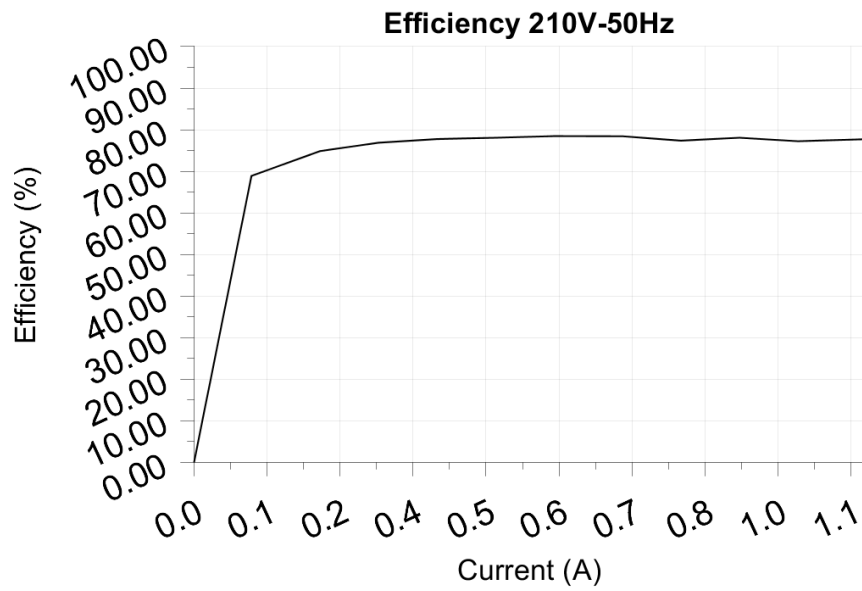
Vpp ripple&noise absolute: 0.190V

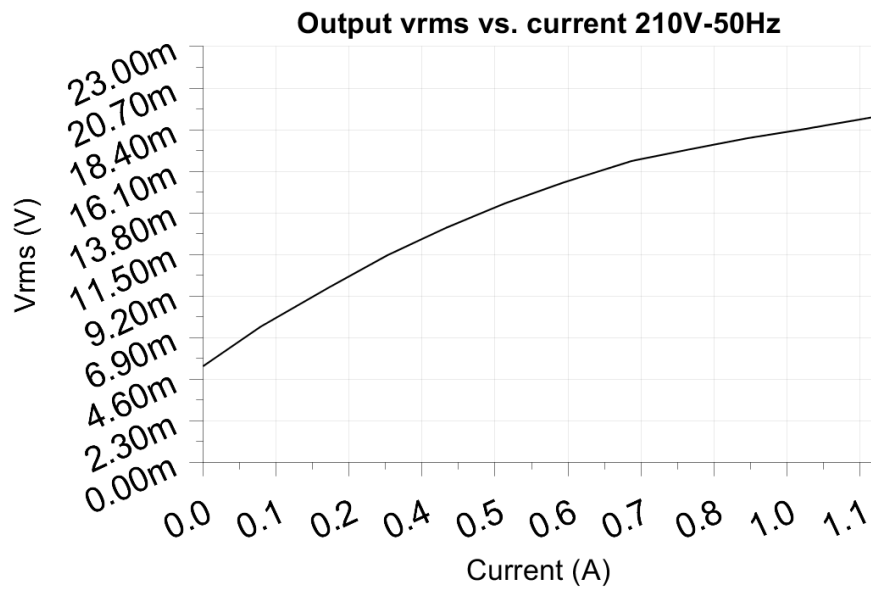
Vpp ripple&noise relative: 1.6%

RMS ripple&noise absolute: 0.019V

RMS ripple&noise relative: 0.2%







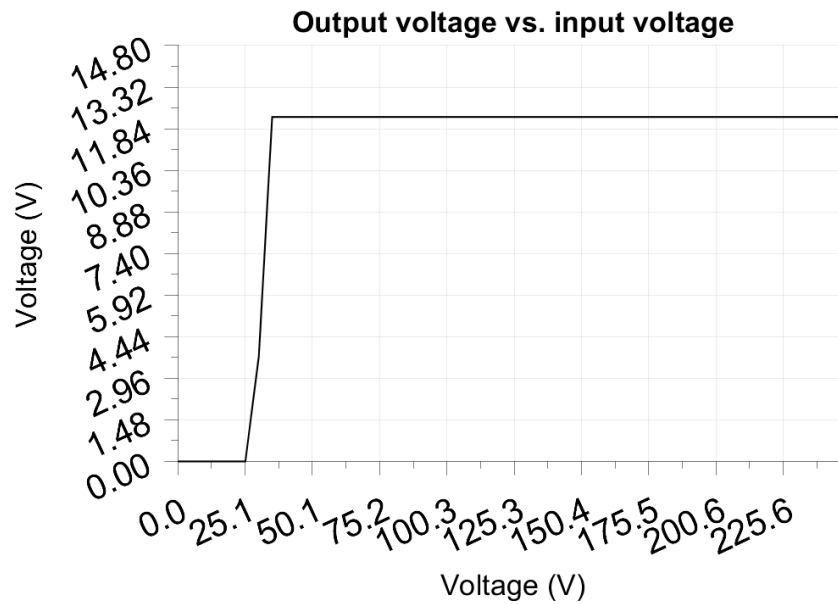
6 Turn on voltage

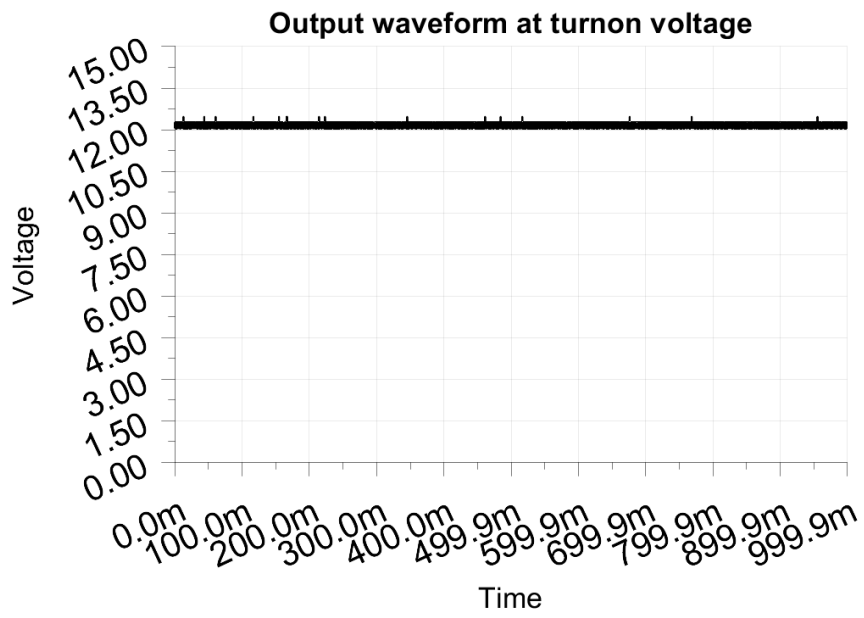
Testing when the PSU enables it's output

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

Turn-on voltage: 35.00V

Output voltage: 12.258V





7 Conducted EMI

No EMI test results

8 Overload testing

No overload test results