

INVESTIGATION REPORT

Our ref. 278703-1

Report No. 18718

Product UPS

Type/version 9395P-600 Serial nr: 2382000001

FW versions

MCU:	MCU PLD	UPM:	UPM PLD	CSB:	CSB2:
4.00.9150	2.00	4.00.9150	0.24	4.00.9150	4.00.62

HW versions:
REV 002

Trade mark**Applicant**

Eaton Power Quality Oy,
Koskelontie 13,
FI-02920 ESPOO, FINLAND

Manufacturer / Manufacturing site

Same as applicant

Technical information

Ratings: 380/400/415VAC; 50/60Hz; 983/977/948A

The product has been tested according to standard

IEC 62040-3:2011

Uninterruptible power systems (UPS) - Part 3: Methods of specifying the performance and test requirements.

The product has been tested according to following parts of the standard

Annex J

UPS efficiency – Methods of measurement

Procedure deviation

Measurements are performed in 10% load steps and in addition to Normal mode/Double conversion mode also in Energy Saver System (ESS) mode and Variable Module Management System (VMMS) mode

Non-standard test method

Measured relative humidity during tests is below the required range 20 % to 80 % of standard.

Investigation result

See tables on page 2/2

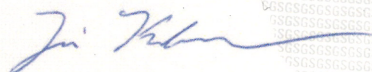
Other information

This investigation report of test result has been granted to the applicant based on tests performed by the manufacturer under supervision of SGS Fimko Ltd.

Date

19 February 2015

SGS Fimko Ltd

Signature


Jari Karlsson
Team Leader

Double conversion mode

Load (%)	Power (kW)	Efficiency (%)
100	547,2	95,7
90	493,8	95,8
80	449,0	95,9
75	404,6	96,1
70	384,6	96,1
60	328,0	96,2
50	271,7	96,3
40	216,0	96,2
30	159,1	95,9
25	136,0	95,6
20	104,7	95,0
10	57,9	92,4

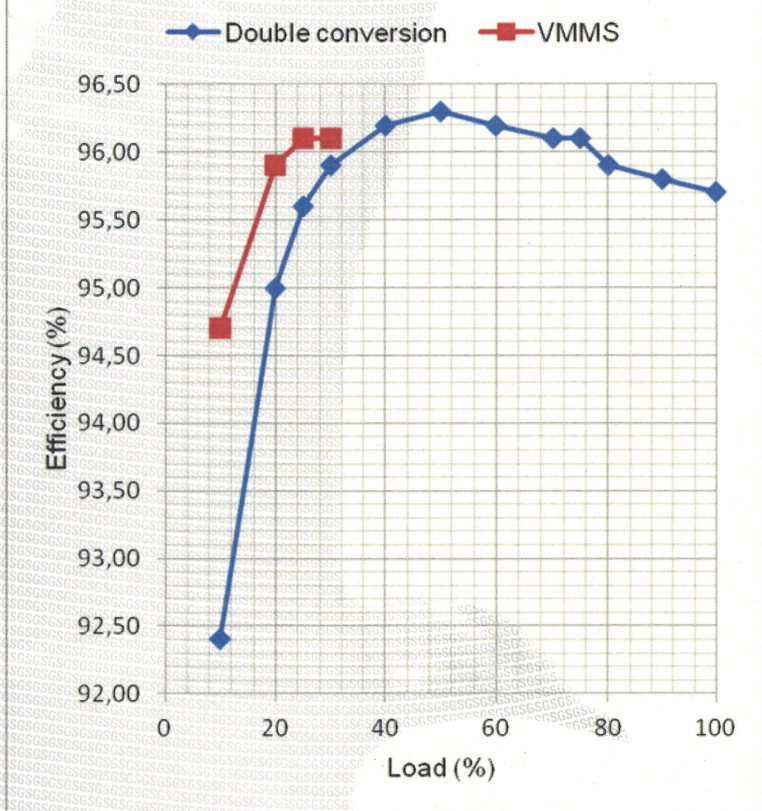
VMMS mode

Load (%)	Power (kW)	Efficiency (%)
30	160,9	96,1
25	137,8	96,1
20	104,4	95,9
10	58,3	94,7

ESS mode

Load (%)	Power (kW)	Efficiency (%)
100	547,0	99,3
90	495,9	99,3
80	440,8	99,3
75	408,6	99,3
70	388,4	99,3
60	333,8	99,3
50	277,1	99,3
40	222,1	99,2
30	165,7	99,0
25	134,9	99,0
20	112,7	98,9
10	56,3	98,2

Double conversion mode and VMMS mode



ESS mode

