

INVESTIGATION REPORT

Our ref. 280566-1

Report No. 19102

Product UPS
Type 93PS-20 Serial nr: H2641000002

FW versions

MCU:	MCU PLD	UPM:	UPM PLD	CSB:	Display
1.23	0.23	1.23	0.90	1.23	1.23

HW versions:

Pilot

Trade mark

**Applicant/Manufacturer/
Manufacturing site** Eaton Power Quality Oy
Koskelontie 13
FI-02920 ESPOO, FINLAND

Technical information Ratings: 380/400/415 VAC; 50/60 Hz; 38/36/35 A

**The product has been tested
according to standards** 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 described in Annex J are performed in 10% load steps and in
addition to Normal mode/Double conversion mode also in Energy Saver System
(ESS) mode

Non-standard test method -**Date** 06 August 2015**SGS Fimko Ltd****Signature**


Jari Karlsson
Team Leader

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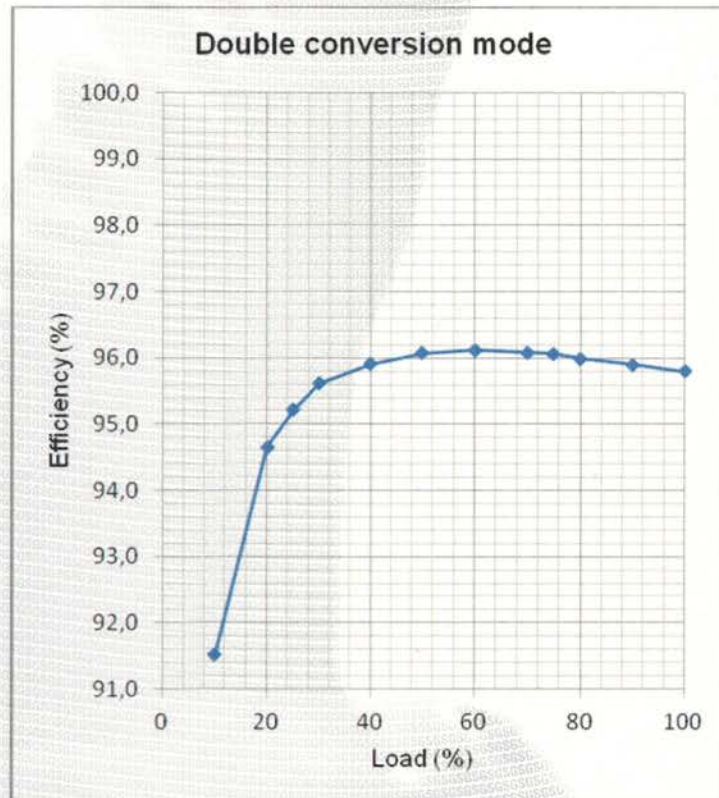
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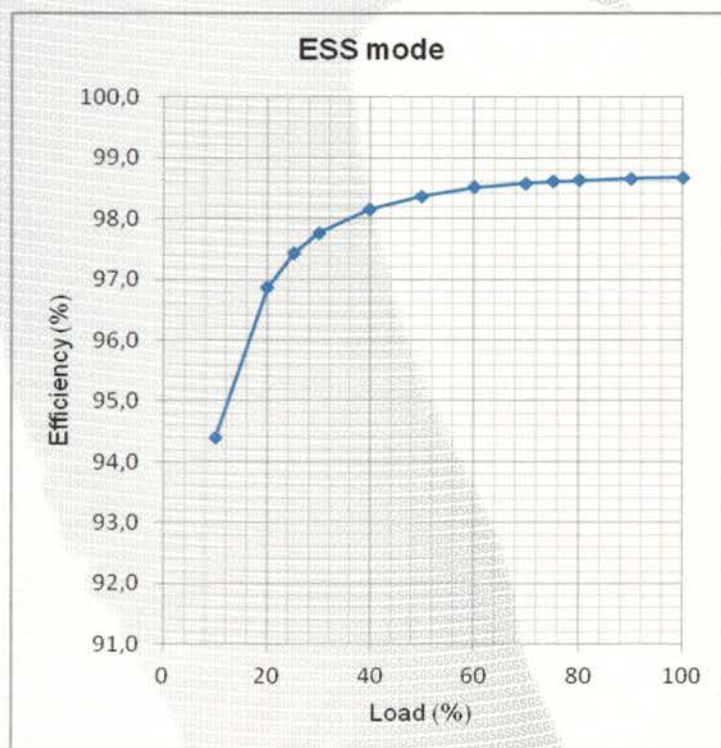
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Double conversion mode		
Load (%)	Power (kW)	Efficiency (%)
100	19,6	95,8
90	18,0	95,9
80	16,4	96,0
75	14,9	96,1
70	14,1	96,1
60	11,8	96,1
50	10,3	96,1
40	7,9	95,9
30	6,2	95,6
25	5,0	95,2
20	4,1	94,7
10	2,0	91,5



ESS mode		
Load (%)	Power (kW)	Efficiency (%)
100	20,0	98,7
90	17,9	98,7
80	16,1	98,6
75	15,0	98,6
70	14,0	98,6
60	12,0	98,5
50	10,0	98,4
40	8,1	98,2
30	6,1	97,8
25	5,0	97,4
20	4,0	96,9
10	2,0	94,4



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