

# INVESTIGATION REPORT

Our ref. 280566-2

Report No. 19103

Product UPS

Type 93PS-40 Serial nr: H2669000003

**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; 76/72/70 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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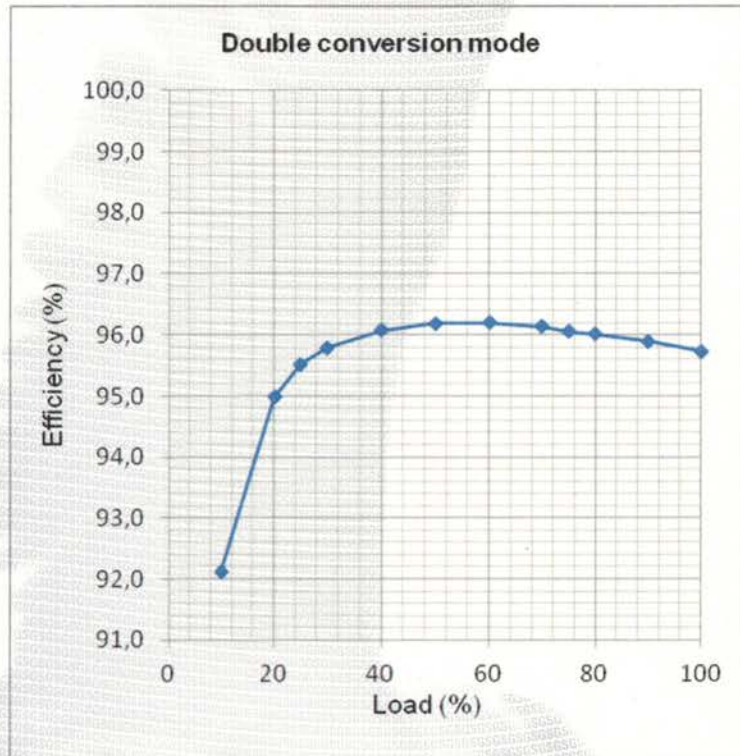
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SGS Fimko Ltd. Särkiniementie 3, P.O.Box 30 FI-00211 Helsinki, Finland  
t. +358 9 696 361 f. +358 9 692 5474 www.sgs.fi

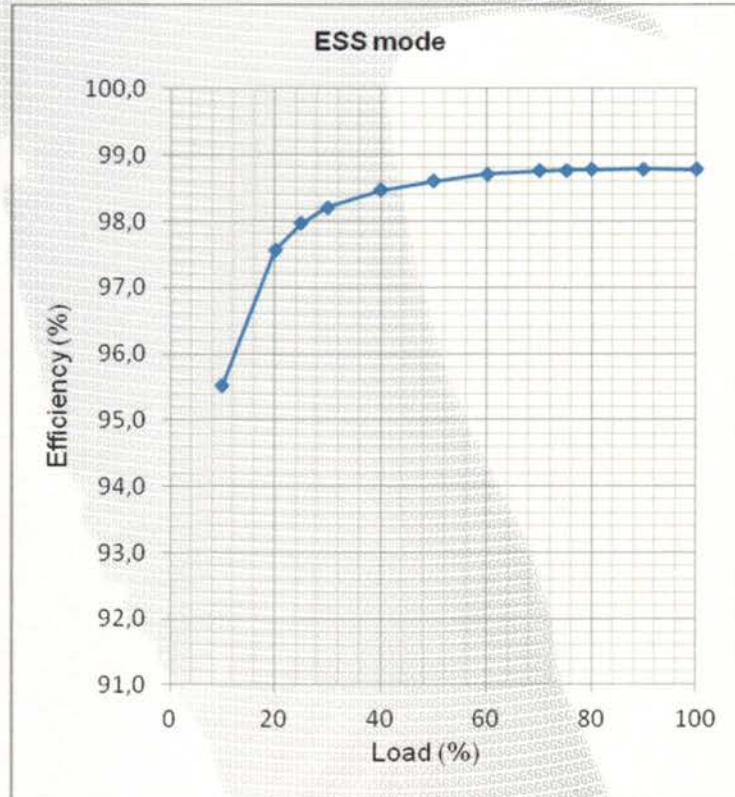
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Double conversion mode		
Load (%)	Power (kW)	Efficiency (%)
<b>100</b>	<b>39,6</b>	<b>95,7</b>
90	36,2	95,9
80	32,1	96,0
<b>75</b>	<b>30,0</b>	<b>96,1</b>
70	28,0	96,1
60	24,0	96,2
<b>50</b>	<b>20,0</b>	<b>96,2</b>
40	16,1	96,1
30	12,1	95,8
<b>25</b>	<b>10,2</b>	<b>95,5</b>
20	8,1	95,0
10	4,0	92,1



ESS mode		
Load (%)	Power (kW)	Efficiency (%)
<b>100</b>	<b>40,1</b>	<b>98,8</b>
90	36,1	98,8
80	32,2	98,8
<b>75</b>	<b>30,2</b>	<b>98,8</b>
70	28,1	98,8
60	24,0	98,7
<b>50</b>	<b>19,9</b>	<b>98,6</b>
40	16,2	98,5
30	12,1	98,2
<b>25</b>	<b>10,1</b>	<b>98,0</b>
20	8,0	97,6
10	4,0	95,5



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