



**BUREAU
VERITAS**

**Bureau Veritas
Consumer Products Services
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Certification body of BV CPS GmbH
Accredited according to EN 45011 -
ISO / IEC Guide 65

Certificate

Manufacturer / applicant: **ABB Oy Power Conversion**
Hiomotie 13
FI-00380 Helsinki
FINLAND

Product type: **grid-tied photovoltaic inverter**

Model: PRO-33.0-TL-OUTD-400,
PRO-33.0-TL-OUTD-S-400,
PRO-33.0-TL-OUTD-SX-400

A representative test sample of the aforementioned product was tested according to

Applicable standards: IEC 62109-1:2010, EN 62109-1:2010, DIN EN 62109-1:2011
IEC 62109-2:2011, EN 62109-2:2011, DIN EN 62109-2:2012

BV project number: **13TH0463**

Certificate number: **14-050**

Date of issue: **2014-05-26**

Certification body

Dieter Zitzmann

(A partial representation of the certificate requires
the written permission of BV CPS GmbH)



Deutsche
Akkreditierungsstelle
D-ZE-12024-01-01



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HEALTH



SAFETY



ENVIRONMENT



SOCIAL
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Annex to Certificate 14-050

Ratings:	PRO-33.0-TL-OUTD-400	PRO-33.0-TL-OUTD-S-400	PRO-33.0-TL-OUTD-SX-400
MPP DC voltage range [V]:	580 – 950		
Input DC voltage range [V]:	580 – 1100		
Input DC current [A]:	58		
Output AC voltage [V]:	230 / 400 (3/N/PE) @ 50/60 Hz		
Output AC current [A]:	nom. 47,8		
Output power [VA]:	33000		



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