



Certificate of compliance

Applicant: SolaX Power Network Technology (Zhejiang) Co., Ltd.
No.278, Shizhu Road, Chengnan Sub-district, Tonglu County, Hangzhou, Zhejiang
China

Product: Energy storage photovoltaic inverter

Model: X3-NEO-5K-LV
X3-NEO-8K-LV
X3-NEO-10K-LV
X3-NEO-12K-LV
X3-NEO-15K-LV

Use in accordance with regulations:

The inverter(s) is/are tested according the IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000 procedure for measuring efficiency.

Applied rules and standards:

IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000

Photovoltaic systems – Power conditioners – Procedure for measuring efficiency

IEC 60068-2-1:2007

Environmental testing – Part 2-1: Tests – Test A: Cold

IEC 60068-2-2:2007

Environmental testing – Part 2-2: Tests – Test B: Dry heat

IEC 60068-2-14:2009

Environmental testing – Part 2-14: Tests – Test N: Change of temperature

IEC 60068-2-30:2005

Environmental testing – Part 2-30: Tests – Test Db: Damp heat, cyclic (12h + 12 h cycle)

IEC 60068-2-27:2008

Part 2-27: Tests – Test Ea and guidance: Shock

IEC 60068-2-64:2008

Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance

EN 50530:2010

Overall efficiency of grid connected photovoltaic inverters

At the time of issue of this certificate, the representative product listed above corresponds to the stated rules and standards.

Report number: SXP-ESH-P24060228-1
SXP-ESH-P24060228-2
SXP-ESH-P24060228-3

Certification program: NSOP-0032-DEU-ZE-V01

Certificate number: U24-0585

Date of issue: 2024-07-02

Certification body



Certification body of Bureau Veritas Consumer Products Services Germany GmbH Accredited according to DIN EN ISO/IEC 17065

Testing laboratory accredited according to DIN EN ISO/IEC 17025

A partial representation of the certificate requires the written permission of Bureau Veritas Consumer Products Services Germany GmbH



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Annex to the IEC 61683 certificate of compliance No. U24-0585

Appendix

Extract from test report according the IEC 61683

Nr. SXP-ESH-P24060228-1

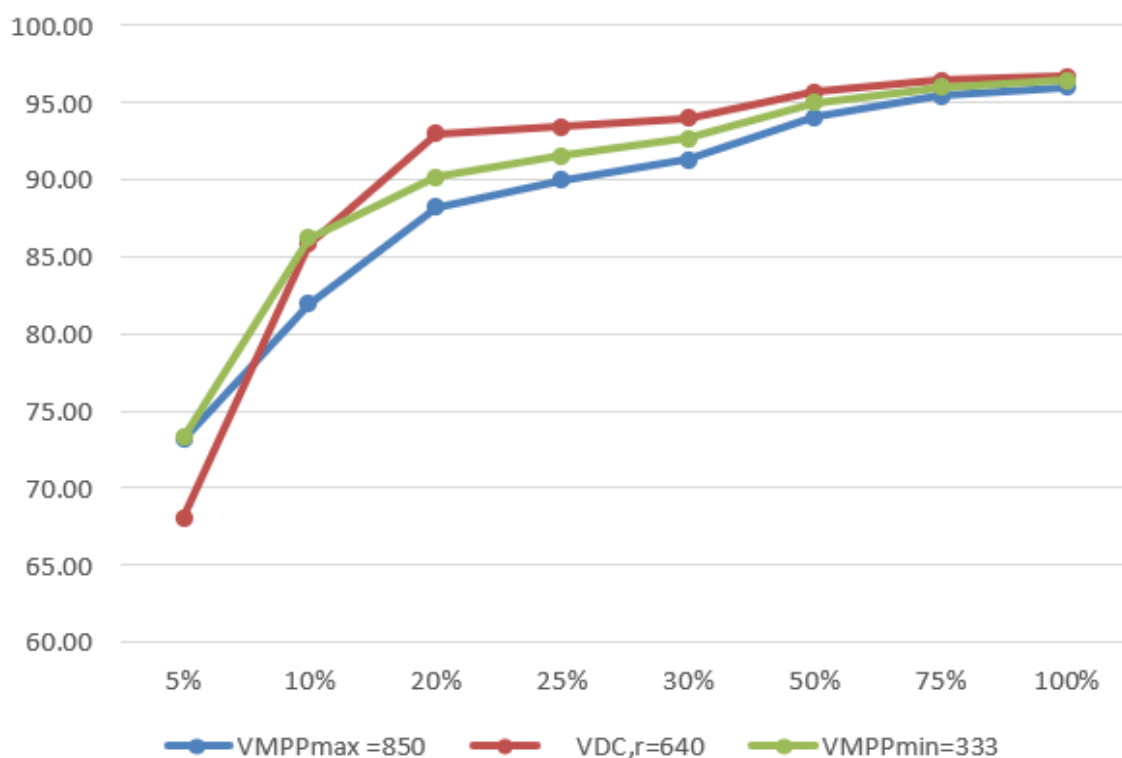
SXP-ESH-P24060228-2

SXP-ESH-P24060228-3

Efficiency measurement conditions test results

Model X3-NEO-5K-LV

Input voltage [Vdc]		Power in [W] (nom. 5000 W)							
		5%	10%	20%	25%	30%	50%	75%	100%
		250	500	1000	1250	1500	2500	3750	5000
		η in [%]							
V_{min}	850	73,15	81,97	88,22	89,99	91,29	94,03	95,46	96,00
$V_{nominal}$	640	68,06	85,85	93,00	93,43	93,98	95,70	96,43	96,70
V_{max} (90% MPPT)	333	73,31	86,22	90,14	91,55	92,70	95,01	95,98	96,42





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Nr. SXP-ESH-P24060228-1

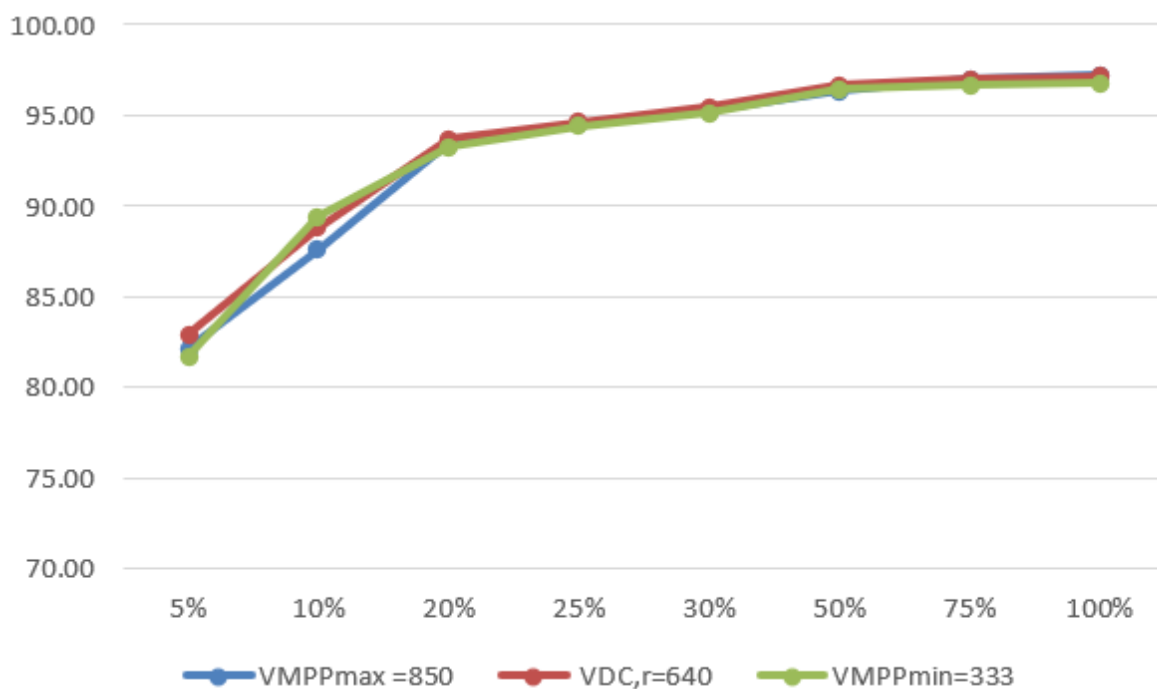
SXP-ESH-P24060228-2

SXP-ESH-P24060228-3

Efficiency measurement conditions test results

Model X3-NEO-8K-LV

Input voltage [Vdc]		Power in [W] (nom. 8000 W)							
		5%	10%	20%	25%	30%	50%	75%	100%
		400	800	1600	2000	2400	4000	6000	8000
		η in [%]							
V_{min}	850	82,13	87,59	93,47	94,52	95,22	96,35	97,00	97,19
$V_{nominal}$	640	82,92	88,79	93,67	94,65	95,46	96,65	97,00	97,16
V_{max} (90% MPPT)	333	81,72	89,38	93,27	94,40	95,11	96,42	96,66	96,76





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Nr. SXP-ESH-P24060228-1

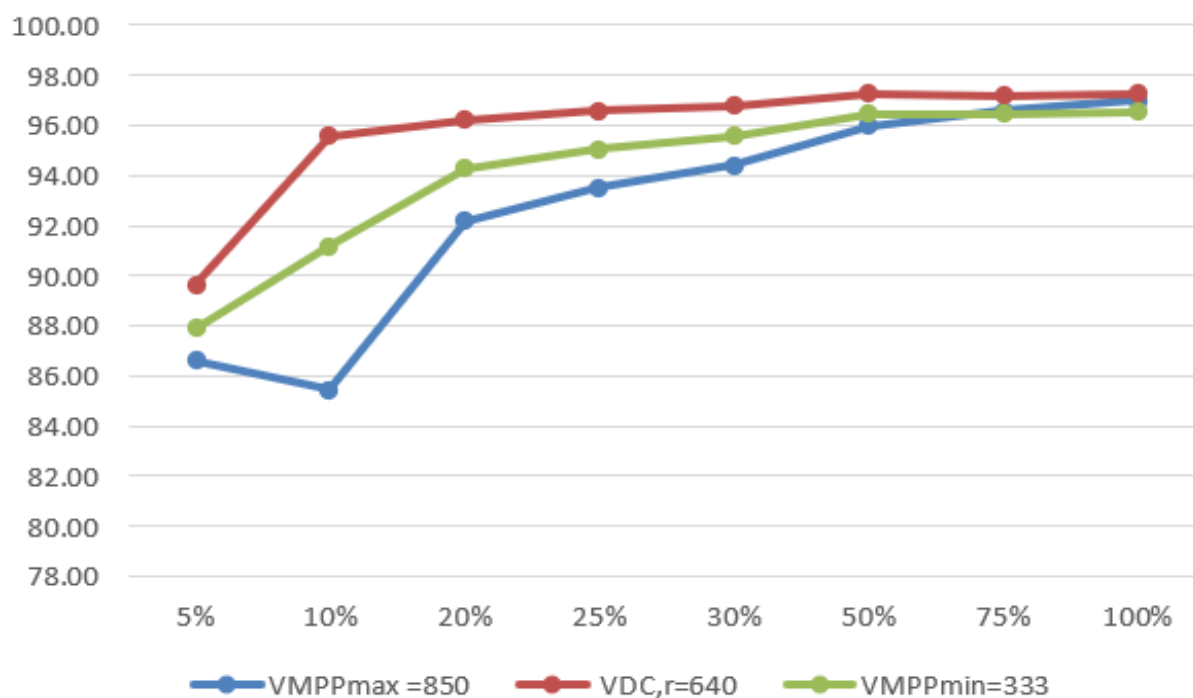
SXP-ESH-P24060228-2

SXP-ESH-P24060228-3

Efficiency measurement conditions test results

Model X3-NEO-10K-LV

Input voltage [Vdc]		Power in [W] (nom. 10000 W)							
		5%	10%	20%	25%	30%	50%	75%	100%
		500	1000	2000	2500	3000	5000	7500	10000
		η in [%]							
V_{min}	850	86,61	85,46	92,18	93,53	94,42	95,99	96,57	96,97
$V_{nominal}$	640	89,66	95,58	96,23	96,59	96,78	97,29	97,18	97,27
V_{max} (90% MPPT)	333	87,92	91,17	94,28	95,04	95,58	96,45	96,48	96,55





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Extract from test report according the IEC 61683

Nr. SXP-ESH-P24060228-1

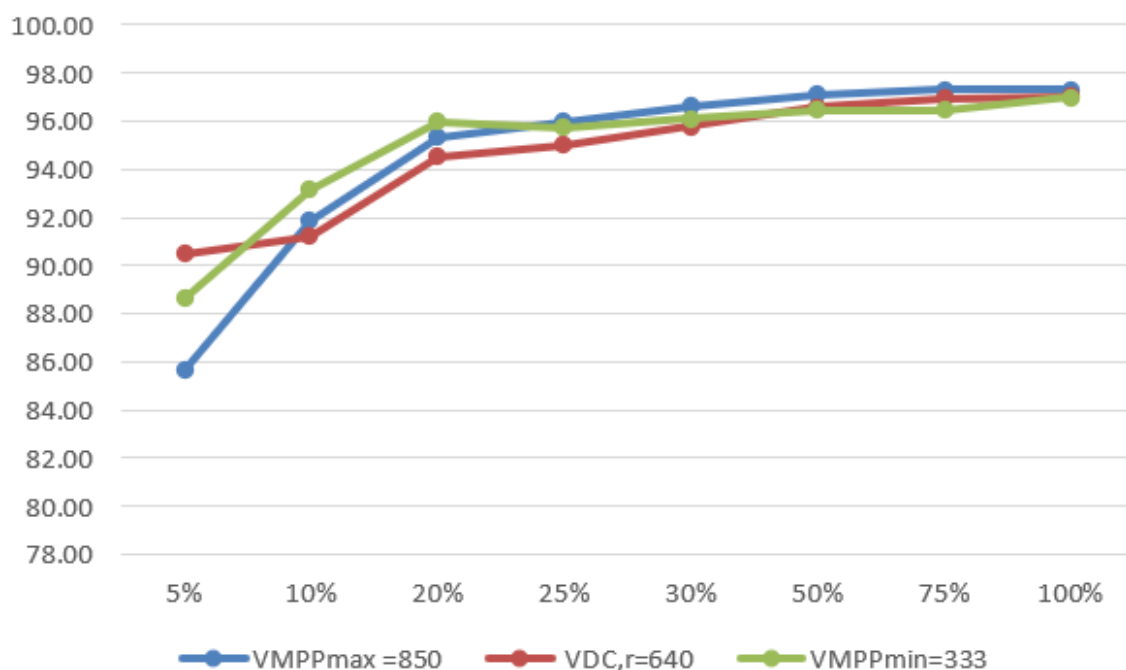
SXP-ESH-P24060228-2

SXP-ESH-P24060228-3

Efficiency measurement conditions test results

Model X3-NEO-12K-LV

Input voltage [Vdc]		Power in [W] (nom. 12000 W)							
		5%	10%	20%	25%	30%	50%	75%	100%
		600	1200	2400	3000	3600	6000	9000	12000
		η in [%]							
V_{min}	850	85,65	91,86	95,32	95,99	96,61	97,11	97,32	97,33
$V_{nominal}$	640	90,49	91,21	94,52	95,00	95,76	96,57	96,93	97,04
V_{max} (90% MPPT)	333	88,62	93,16	95,97	95,75	96,11	96,45	96,47	96,99





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Nr. SXP-ESH-P24060228-1

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SXP-ESH-P24060228-3

Efficiency measurement conditions test results (discharging process)

Model X3-NEO-15K-LV

Input voltage [Vdc]		Power in [W] (nom. 15000 W)							
		5%	10%	20%	25%	30%	50%	75%	100%
		750	1500	3000	3750	4500	7500	11250	15000
		η in [%]							
V_{min}	850	85.82	92.33	95.93	96.42	96.01	96.62	97.40	97.31
$V_{nominal}$	640	87.32	92.61	94.81	95.62	96.06	96.63	97.00	96.90
V_{max} (90% MPPT)	416	88.26	92.23	95.04	95.74	96.17	96.71	97.00	96.89

