



Test Certificate No.: 7112310358_2
In accordance with Clause 12 of the Standards Law – 1953

Details of order:

Name of customer	: SolarEdge Technologies Ltd.
Address	: 1 Hamada Street, Herzliya Pituach 4673335, Israel
Date of order	: 11/04/2022

Description of sample:

Solar Grid-Tied Inverter	
Models	: SE50K, SE55K, SE66.6K, SE75K, SE80K, SE82.8K, SE90K, SE100K, SE120K
Manufacturer	: SolarEdge Technologies Ltd.
Country of origin	: Israel
(see additional product information on pages 2-9)	

Sampling details:

No sample required.

Nature of test:

Review of test reports Ref. No.: 20TH0532-IEC62109-1 /-2_4 dated 07/03/2022, issued by Bureau Veritas Consumer Products Services Germany GmbH for the above-specified solar inverter models according to the following standards: IEC/EN 62109-1: 2010 – Safety of power converters for use in photovoltaic power system – Part 1: General requirements IEC/EN 62109-2: 2011 – Safety of power converters for use in photovoltaic power system – Part 2: Particular requirements for inverters

This document contains 9 pages and may be used only in full.	The test results in this report refer only to the item tested.	This document alone is not sufficient for the release of goods from customs.
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Test Conclusions:

Based on the information provided in the above mentioned test reports, the above-specified solar inverter models comply with the Israeli requirements for grid-tied photovoltaic inverters. The models referred in this document employ an integrated residual current device (RCD) for protection of the DC line including the automatic disconnection function. When installed in Israel the inverter shall be adjusted according to the Israeli requirements for grid-tied photovoltaic inverters regarding overvoltage/undervoltage, overfrequency/underfrequency protection.

Anatoly Oimatov
Product Safety Engineer
Electrical Safety Branch
Electrical and Electronics Laboratory
The Standards Institution of Israel
Date: 24/04/2022

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The Standards Institution of Israel
Date: 24/04/2022

This document does not permit marking the product with SII Mark




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Page 2 of 4pages

GENERAL PRODUCT INFORMATION

Technical Data

Test Item Description.....:	Grid-Tied Photovoltaic Inverter
Trademark	
Model / Type	SE50K; SE55K; SE66.6K; SE75K, SE82.8K; SE90K; SE100K SE66.6K*; SE80K*; SE100K*; SE120K* SE50K**; SE55K**; SE66.6K**; SE82.8K**; SE90K**; SE100K**
Note	* 480V mains voltage models ** delta grid units

Ratings	SE50K	SE55K	SE66.6K	SE75K
Input DC voltage range [V]	680 - 1000	680 - 1000	680 - 1000	680 - 1000
Input DC current [A].....	2 x 36,25	2 x 40	2 x 48,25	3 x 40
Output AC voltage [V].....	220 / 380 230 / 400	220 / 380 230 / 400	220 / 380 230 / 400	220 / 380
Output AC current [A]	72,5	80	96,5	120
Initial short-current AC current I _k '[A]. :	77	85	102	128
Output power [VA]	50000	55000	66600	74700

Ratings	SE82.8K	SE90K	SE90K	SE90K
Input DC voltage range [V]	680 - 1000	680 - 1000	680 - 1000	680 - 1000
Input DC current [A].....	3 x 40	3 x 43,5	3 x 43,5	3 x 48,25
Output AC voltage [V].....	220 / 380 230 / 400	220 / 380 230 / 400	220 / 380 230 / 400	220 / 380 230 / 400
Output AC current [A]	120	130,5	130,5	145
Initial short-current AC current I _k '[A]. :	128	141	141	153
Output power [VA]	82800	89970	90000	100000

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Ratings	SE100K	SE66.6K*	SE80K*	SE100K*
Input DC voltage range [V]	680 - 1000	680 - 1000	680 - 1000	680 - 1000
Input DC current [A].....	3 x 48,25	2 x 40	2 x 48,25	3 x 40
Output AC voltage [V].....	220 / 380 230 / 400	277 / 480	277 / 480	277 / 480
Output AC current [A]	145	80	96,5	120
Initial short-current AC current I _k [A]. :	153	85	102	128
Output power [VA]	100000	66600	80000	100000

Ratings	SE120K*	SE50K**	SE55K**	SE66.6K**
Input DC voltage range [V]	680 - 1000	370 - 600	370 - 600	370 - 600
Input DC current [A].....	3 x 48,5	2 x 36,25	2 x 40	2 x 48,25
Output AC voltage [V].....	277 / 480	230 / 400	230 / 400	230 / 400
Output AC current [A]	145	72,5	80	96,5
Initial short-current AC current I _k [A]. :	153	44	49	59
Output power [VA]	120000	29000	32000	38500

Ratings	SE82.8K**	SE90K**	SE100K**	--
Input DC voltage range [V]	370 - 600	370 - 600	370 - 600	--
Input DC current [A].....	3 x 40	3 x 43,5	3 x 48,25	--
Output AC voltage [V].....	230 / 400	230 / 400	230 / 400	--
Output AC current [A]	120	130,5	145	--
Initial short-current AC current I _k [A]. :	74	81	88	--
Output power [VA]	48000	51900	57600	--

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