



**BUREAU
VERITAS**

Certificate of compliance

Applicant: SolarEdge Technologies Ltd.
1 HaMada Street
Herzliya 4673335
Israel

Product: Photovoltaic (PV) inverter

Model: SE50K
SE55K
SE66.6K
SE82.8K
SE90K
SE100K

SE66.6K*
SE80K*
SE100K*
SE120K*

SE50K**
SE55K**
SE66.6K**
SE82.8K**
SE90K**
SE100K**

Note: * 480 V mains voltage models
** delta grid units

The certificate refers to the stated model(s) which passed the tests according to the applicable standard(s):

IEC 62109-1:2010, EN 62109-1:2010, DIN EN 62109-1:2011

Safety of power converters for use in photovoltaic power systems – Part 1: General requirements

IEC 62109-2:2011, EN 62109-2:2011, DIN EN 62109-2:2012

Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters

Test report number: 20TH0532-IEC62109-1_0
20TH0532-IEC62109-2_0

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

Certificate number: U21-0421

Date: 2021-05-11

Certification body



Thomas Lammel

*Certification body of Bureau Veritas Consumer Products Services Germany GmbH Accredited according to DIN EN ISO/IEC 17065
A partial representation of the certificate requires the written approval of Bureau Veritas Consumer Products Services Germany GmbH*

Annex to Certificate of compliance Nr.: U21-0421

Ratings:	SE50K	SE55K	SE66.6K	SE82.8K
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 @50/60Hz 230/400 @50/60Hz	220/380 @50/60Hz 230/400 @50/60Hz	220/380 @50/60Hz 230/400 @50/60Hz	220/380 @50/60Hz 230/400 @50/60Hz
Output AC current [A]:	72,5	80	96,5	120
Output power [VA]:	50000	55000	66600	82800

Ratings:	SE90K	SE90K	SE100K	SE66.6K
Input DC voltage range [V]:	680 - 1000	680 - 1000	680 - 1000	680 - 1000
Input DC current [A]:	3 x 43,5	3 x 43,5	3 x 48,25	2 x 40
Output AC voltage [V]:	220/380 @50/60Hz 230/400 @50/60Hz	220/380 @50/60Hz 230/400 @50/60Hz	220/380 @50/60Hz 230/400 @50/60Hz	277/480 @50/60Hz
Output AC current [A]:	130,5	130,5	145	80
Output power [VA]:	89970	90000	100000	66600

Ratings:	SE80K	SE100K	SE120K	--
Input DC voltage range [V]:	680 - 1000	680 - 1000	680 - 1000	--
Input DC current [A]:	2 x 48,25	3 x 40	3 x 48,5	--
Output AC voltage [V]:	277/480 @50/60Hz	277/480 @50/60Hz	277/480 @50/60Hz	--
Output AC current [A]:	96,5	120	145	--
Output power [VA]:	80000	100000	120000	--

Ratings:	SE50K delta	SE55K delta	SE66.6K delta	SE82.8K delta
Input DC voltage range [V]:	370 - 600	370 - 600	370 - 600	370 - 600
Input DC current [A]:	2 x 36,25	2 x 40	2 x 48,25	3 x 40
Output AC voltage [V]:	230/400 @50/60Hz	230/400 @50/60Hz	230/400 @50/60Hz	230/400 @50/60Hz
Output AC current [A]:	72,5	80	96,5	120
Output power [VA]:	29000	32000	38500	48000

Ratings:	SE90K delta	SE100K delta	--	--
Input DC voltage range [V]:	370 - 600	370 - 600	--	--
Input DC current [A]:	3 x 43,5	3 x 48,25	--	--
Output AC voltage [V]:	230/400 @50/60Hz	230/400 @50/60Hz	--	--
Output AC current [A]:	130,5	145	--	--
Output power [VA]:	51900	57600	--	--