



**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, SE100K, SE66.6K*, SE80K*, SE120K*

Note: * 480 V mains voltage models

Use in accordance with regulations:

Automatic disconnection device with three-phase mains surveillance in accordance with NRS 097-2-1:2017 for photovoltaic systems with a three-phase parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverters.

Applied rules and standards:

NRS 097-2-1:2017 Edition 2.1

Grid interconnection of embedded generation, Part 2: Small-scale embedded generation, Section 1: Utility interface

Comply with:

Category A2: 13,8 kVA – 100 kVA (details see Note)

Category A3: 100 kVA – 1 MVA (details see Note)

IEC 61727:2004 Edition 2

Photovoltaic (PV) systems – Characteristics of the utility interface

IEC 62116:2008 Edition 1 / IEC 62116:2014 Edition 2

Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters

VDE AR-N 4105:2011-08 (A.6 General requirements, single-fault tolerance)

Power generation systems connected to the low-voltage distribution network

Note:

The inverter models SE66.6K, SE80K and SE120K are available with an AC output voltage 277 Vac, L-N / 480Vac, L-L and 230Vac, L-N / 400Vac L-L. The models with AC output voltage 277V Vac / L-N / 480V, L-L are intended for grid connection with an external AC transformer and only for plants with category A3: 100 kVA – 1MVA.

The inverters SE66.6K, SE80K and SE120K are comply with IEC/EN 61000-6-2 "Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity standard for industrial environments, IEC/EN 61000-6-3 Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial"

The inverter models SE50K, SE55K, SE66.6K, SE82.8K and SE100K are available with an AC output voltage 230V, L-N / 400Vac, L-L and are intended grid connection with and without AC transformer for plants with category A2 13,8kVA – 100kVA and category A3 100 kVA – 1MVA.

The inverters SE50K, SE55K, SE66.6K, SE82.8K and SE100K are comply with IEC/EN 61000-6-2 "Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity standard for industrial environments, IEC/EN 61000-6-3 Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial" and IEC/EN 61000-2-2 "Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems"

At the time of issue of this certificate, the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: 20TH0532-NRS 097-2-1_0 **Certification scheme:** NSOP-0032-DEU-ZE-V01
Certificate number: U21-0499 **Date of issue:** 2021-06-07

Certification body



Thomas Lammel



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

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