



**BUREAU
VERITAS**

Certificate of compliance

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

Product: Grid-tied photovoltaic

Model: SE27.6K

Use in accordance with regulations:

Automatic disconnection device with three -phase mains surveillance in accordance with IEC 61727:2004 and IEC62116:2014 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:

IEC 61727:2004

Photovoltaic (PV) systems – Characteristics of the utility interface

IEC 62116:2014

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

IEEE 1547:2003, IEEE 1547.1:2005 (harmonics, d.c.-injection, voltage and frequency disconnection, reconnection)

IEEE Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems

The following deviations for Thailand were applied:

Electricity Grid System Connection Requirements B.E. 2551 of Provincial Electricity Authority (PEA 2016) with attachment for Proclamation No. 6.2 for plants till and above 500kW:

under voltage limit (level 1): 198,0V

under voltage limit (level 2): 110,0V

over voltage limit (level 1): 242,0V

overvoltage limit (level 2): 264,0V

lower frequency limit: 48,0Hz

upper frequency limit: 51,0Hz

loss of main detection limit: 300ms

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: 19TH0534-SE27.6K-IEC61727-PEA_0

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

Certificate number: U21-0139

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Certification body



Thomas Lammel



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

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