



**BUREAU  
VERITAS**

# Certificate of compliance

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

**Product:** Grid-tied photovoltaic inverter

**Model:** SE3000H  
SE5000H

## Use in accordance with regulations:

Automatic disconnection device with three -phase mains surveillance in accordance with IEC 61727:2004 and IEC62116:2008 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:*

*Grid-Connected Inverter Regulation of Metropolitan Electricity Authority (MEA 2013):*

*under voltage limit (level 1): 200,0V  
under voltage limit (level 2): 115,0V  
over voltage limit (level 1): 240,0V  
overvoltage limit (level 2): 310,0V  
lower frequency limit: 49,0Hz  
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.

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**Certification body**



Thomas Lammel



Deutsche  
Akkreditierungsstelle  
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Certification body of Bureau Veritas Consumer Products Services Germany GmbH  
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