



**BUREAU  
VERITAS**

# Certificate of compliance

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

**Product:** Grid-tied photovoltaic inverter

**Model:** SE25K  
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 according to the Provincial Electricity Authority's Regulation on the Power Network System Interconnection Code B.E.2559 (2016) 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:	47,0Hz
upper frequency limit:	52,0Hz
loss of main detection limit:	1s

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:** 14TH0476-IEC61727\_PEA\_0

**Certificate number:** U17-0265

**Date of issue:** 2017-06-23



**Certification body**

Holger Schaffer

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

