Certificate of compliance

Manufacturer / applicant:	**SolarEdge Technologies Ltd.** **1 HaMada Street** **Herzeliya 4673335** **Israel**	
Product type:	**Photovoltaic (PV) inverter / power analyzer / Current transformer**	
Model:	**Inverter:**	**SE3K, SE4K, SE5K, SE6K, SE7K, SE8K, SE9K,** **SE10K, SE12.5K, SE15K, SE16K, SE17K**
	Inline Energy Meter:	**MTR-240-3PC1-D-A-MW, MTR-240-1PC1-DW-MW**
	Energy Meter:	**SE-WND-3Y400-MB-K2, SE-RWND-3D-208-MB, SE-RGMTR-3D-208V-A, SE-MTR-3Y-400V-A**
	Current transformer for Energy Meter:	**ACTL-0750-250**

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

UNE 217001:2020
Requirements and tests for systems intended to avoid the energy transmission to the distribution network

RD 244:2019
Royal Decree 244/2019, of April 5, which regulates the administrative, technical and economic conditions of the self-consumption of electrical energy. ITC-BT-40 low voltage generating facilities Annex I: Systems to avoid the discharge of energy to the grid.

Report number:	**10TH0222-UNE217001 IN_2**
Certification program:	**NSOP-0032-DEU-ZE-V01**
Certificate number:	**U22-0278**
Date of issue:	**2022-05-10**

Certification body

Thomas Lammel

DAkkS Deutsche Akkreditierungsstelle D-ZE-12024-01-00

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

Testing laboratory accredited according to DIN EN ISO/IEC 17025

A partial representation of the certificate requires the written approval of Bureau Veritas Consumer Products Services Germany GmbH

Ratings

Photovoltaic inverter:	**SE3K**	**SE4K**	**SE5K**	**SE6K**
Input DC voltage range [V]:	680 – 950			
Input DC current [A]:	5	7	8,5	10
Output AC voltage [V]:	230/400; N; PE			
Output AC current [A]:	5	6,5	8	10
Output power [VA]:	3000	4000	5000	6000
Photovoltaic inverter:	**SE7K**	**SE8K**	**SE9K**	**SE10K**
Input DC voltage range [V]:	680 – 950			
Input DC current [A]:	12	13,5	15	16,5
Output AC voltage [V]:	230/400; N; PE			
Output AC current [A]:	11,5	13	14,5	16,0
Output power [VA]:	7000	8000	9000	10
Photovoltaic inverter:	**SE12,5K**	**SE15K**	**SE16K**	**SE17K**
Input DC voltage range [V]:	680 – 950			
Input DC current [A]:	21,0	22,0	25,5	23,0
Output AC voltage [V]:	230/400; N; PE			
Output AC current [A]:	20,0	23,0	25,5	26,0
Output power [VA]:	12,5	15	16	17

Ratings

Inline Energy Meter (Power Analyzer) with Modbus	**MTR-240-3PC1-D-A-MW**
Electrical ratings	
OperatingVoltage Range – Line to Neutral / Line to Line [Vac]	184-264,5 / 320-460
AC Frequency [Hz]	50 / 60
Grids Supported – Single Phase / Three Phase	L1/L2/L3/N /Wye)
Power Consumption (typ.) [W]	1,8 - 2
Maximum current [A]	65
CAT III [Vac]	600
Active Energy Accuracy	EN 54070 Class B
Active Energy Accuracy error (Itr ≤ I < Imax / Imin ≤ I < Itr) [%]	1 / 1,5
Reactive Energy Accuracy	IEC 62053-23 class 2
Reactive Energy Accuracy error (Itr ≤ I < Imax / Imin ≤ I < Itr) [%]	2 / 2,5
Inline Energy Meter (Power Analyzer) with Modbus	**MTR-240-1PC1-D-A-MW**
Electrical ratings	
OperatingVoltage Range – Line to Neutral / Line to Line [Vac]	184-264,5 / 320-460
AC Frequency [Hz]	50 / 60
Grids Supported – Single Phase / Three Phase	L1/N
Power Consumption (typ.) [W]	1,8 - 2
Maximum current [A]	65
CAT III [Vac]	600
Active Energy Accuracy	EN 54070 Class B
Active Energy Accuracy error (Itr ≤ I < Imax / Imin ≤ I < Itr) [%]	1 / 1,5
Reactive Energy Accuracy	IEC 62053-23 class 2
Reactive Energy Accuracy error (Itr ≤ I < Imax / Imin ≤ I < Itr) [%]	2 / 2,5

Ratings

Energy Meter (Power Analyzer) with Modbus	**SE-WND-3Y400-MB-K2**
Electrical ratings	
Operating Voltage Range Line to Neutral [Vac] Line to Line [Vac]	184-264,5 320-460
AC Frequency [Hz]	50 / 60
Grids Supported Single Phase / Three Phase	L/N/PE ;L1/L2/L3/N/PE
Power Consumption (typ.) [W]	1,8
Energy Meter (Power Analyzer) with Modbus	**SE-RGMTR-3D-208V-A**
Electrical ratings	
Operating Voltage Range Line to Neutral [Vac] Line to Line [Vac]	N/A / 182 -264
AC Frequency [Hz]	45 - 65
Grids Supported Single Phase / Three Phase	3 Phase, 3 Wire Delta
Power Consumption (typ.) [W]	1 - 1,5
Energy Meter (Power Analyzer) with Modbus	**SE-RWND-3D-208-MB**
Electrical ratings	
Operating Voltage Range Line to Neutral [Vac] Line to Line [Vac]	N/A / 208 -240
AC Frequency [Hz]	50 / 60
Grids Supported Single Phase / Three Phase	4 wire WYE (L1-L2-L3-N) or 3 wire Delta
Power Consumption (typ.) [W]	1,8
Energy Meter (Power Analyzer) with Modbus	**SE-MTR-3Y-400V-A**
Electrical ratings	
Operating Voltage Range Line to Neutral [Vac] Line to Line [Vac]	108 – 305 / 230 – 400
AC Frequency [Hz]	50 / 60
Grids Supported Single Phase / Three Phase	L/N/PE ;L1/L2/L3/N/PE
Power Consumption (typ.) [W]	3

Ratings

Current transformer:	ACTL-0750-250
Electrical ratings	
CAT IV (service entrance) [Vac]:	250
CAT III [Vac]:	600
Line Frequency:	50 / 60
Output Voltage at Rated Amps [Vac]:	0,33333
Standard Accuracy (% of reading)	
Accuracy:	±0,75% from 1% to 120% of rated primary current
Phase angle:	±0,50 degrees (30 minutes) from 1% to 120% of rated current
IEEE C57.13 accuracy:	class 1,2 from 1% to 120% of rated current
IEC 60044-1 accuracy:	class 1,0 from 1% to 120% of rated current
Revenue Grade Accuracy (% of reading)	
Accuracy:	±0,50% from 1% to 120% of rated primary current
Phase angle:	±0,25 degrees (15 minutes) from 1% to 120% of rated ® current; ±0.50 degrees (30 minutes) below 0°C from 1% to 10% of rated current
IEEE C57.13 accuracy:	class 0,6 from 1% to 120% of rated current
IEC 60044-1 accuracy:	class 0,5 and 0,5 S from 1% to 120% of rated current

Note:
The ACTL-0750-250 accuracy may be degraded if you exceed 40°C and 100% of rated current simultaneously.
With Option C0.6, the Accu-CT is calibrated to meet IEEE/ANSI C57.13-2008 class 0,6 accuracy and IEC 60044-1 class 0,5 S accuracy and each CT is shipped with a certificate of calibration.

The test system is only able to provide 3-phase symmetrical supply. A supply of unbalanced 3 phase loads is not possible.

Assimilable power analyser and current transformer can be used that meet characteristics above with

- same connection rate (single phase or three phase).
- same measurement tolerance.
- same time of refreshment of the measurements made (or less).
- same type of communications.
- in the event that additional current or voltage transformers are required, same precision of the assembly or higher.