

Certificate of compliance

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

Product: Photovoltaic inverter

Models: SE2200H,
SE2500H,
SE3000H,
SE3500H,
SE3680H,
SE4000H,
SE4600H,
SE5000H,
SE6000H

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

Applied rules and standards:

IEC 63027:2023

Photovoltaic power systems – DC arc detection and interruption

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: 16TH0371-IEC63027_0

Certificate number: P24-1123

Date of issue:

2024-11-15



Without the written consent of Bureau Veritas Consumer Products Services Germany GmbH excerpts of this certificate of conformity shall not be reproduced.

Type Approval and declaration of compliance with the requirements of IEC 63027:2023				
Manufacturer / applicant	SolarEdge Technologies Ltd. 1 HaMada Street Herzliya 4673335 Israel			
Product type	Photovoltaic inverter			
Static converter model	SE2200H	SE2500H	SE3000H	SE3500H
Input (PV)				
Voltage range [V]	270-480	270-480	270-480	270-480
Max. input voltage [V]	480	480	480	480
Max. DC input current [A]	6,5	7	9	10
Output (AC)				
Rated AC voltage [V]	220/230 50Hz/60Hz	220/230 50Hz/60Hz	220/230 50Hz/60Hz	220/230 50Hz/60Hz
Rated output current [A]	10	11,5	14	16
Max. output current [A]	10	11,5	14	16
Nom. converter output (P _{NINV}) [W]	2200	2500	3000	3500
Rated apparent power [VA]	2200	2500	3000	3500
Static converter model	SE3680H	SE4000H	SE4600H	SE5000H
Input (PV)				
Voltage range [V]	270-480	270-480	270-480	270-480
Max. input voltage [V]	480	480	480	480
Max. DC input current [A]	15	11	12,5	13,5
Output (AC)				
Rated AC voltage [V]	220/230 50Hz/60Hz	220/230 50Hz/60Hz	220/230 50Hz/60Hz	220/230 50Hz/60Hz
Rated output current [A]	16	18,5	21	23
Max. output current [A]	16	18,5	21	23
Nom. converter output (P _{NINV}) [W]	3680	4000	4600	4985
Rated apparent power [VA]	3680	4000	4600	4985
Static converter model	SE5000H	SE6000H	--	--
Input (PV)				
Voltage range [V]	270-480	270-480	270-480	270-480
Max. input voltage [V]	480	480	480	480
Max. DC input current [A]	13,5	16,5	9	10
Output (AC)				
Rated AC voltage [V]	220/230 50Hz/60Hz	220/230 50Hz/60Hz	--	--
Rated output current [A]	23	27,5	--	--
Max. output current [A]	23	27,5	--	--
Nom. converter output (P _{NINV}) [W]	5000	6000	--	--
Rated apparent power [VA]	5000	6000	--	--

Firmware version	Main DSP software version is 1.13 Aux DSP software version is 2.19
Description of the structure of the power generation unit: The power generation unit is equipped with a DC and line-side EMC filter. The power generation unit has no galvanic isolation between DC input and AC output. Output switch-off is performed with single-fault tolerance based on the inverter bridge and two series-connected relays in each line and neutral. This enables a safe disconnection of the power generation unit from the network in case of error.	