Product Certificate Number	230890-CER
Applicant	SolarEdge Technologies Ltd. 1 Ha'Mada St., 4673335 Herzeliya, Israel
Models	See page 2 and 3
Type of generating unit	Photovoltaic inverter + DC-DC converter
Technical Data	See page 2 and 3
Software version	Not relevant
Hardware version	v1.0
Standard	**IEC 63027:2023-05 -** Photovoltaic power systems – DC arc detection and interruption.

Having assessed the report number 230890-TR performed by CERE based on the requirements of the EN ISO/IEC 17025: 2017.

The above-mentioned generating unit complies with the requirements of the:

IEC 63027:2023-05 - Photovoltaic power systems – DC arc detection and interruption.

This certification is according to the CERE internal process PET-CERE-09 Rev 38, that defines the certification scheme, based on the requirements of the EN ISO/IEC 17065:2012. For this certification process the conformity assessment activities were based on:

- Testing of production samples selected by CERE.

- Audit of quality system according to ISO 9001 with certificate number: I28469 issued by a certification body accredited according EN ISO/IEC 17021.

Madrid, July 08, 2024. This certificate is valid until July 07, 2029.

Esther Ortega
Product certification manager

Technical data
Photovoltaic inverters:

	SE3K	SE4K	SE5K	SE6K	SE7K	SE8K	SE9K	SE10K
OUTPUT								
Rated AC Power Output (VA)	3000	4000	5000	6000	7000	8000	9000	10,000
Maximum AC Power Output (VA)	3000	4000	5000	6000	7000	8000	9000	10,000
AC Output Voltage - Line to Line / Line to Neutral (Nominal) (Vac)	380 / 220; 400 / 230							
AC Output Voltage - Line to Neutral Range (Vac)	184 - 264.5							
AC Frequency (Hz)	50/60 ± 5							
Maximum Continuous Output Current (per Phase) (A)	5	6.5	8	10	11.5	13	14.5	16
Grids Supported - Three Phase	3 / N / PE (WYE with Neutral)							
INPUT								
Maximum DC Power (Module STC) (W)	4500	6000	7500	9000	10,500	12,000	13,500	15,000
Transformer-less, Ungrounded	Yes							
Maximum Input Voltage (Vdc)	900							
Nominal DC Input Voltage (Vdc)	750							
Maximum Input Current (Adc)	5	7	8.5	10	12	13.5	15	16.5
Reverse-Polarity Protection	Yes							

	SE5K-RWB48	SE8K-RWB48	SE10K-RWB48
OUTPUT - AC ON GRID			
Rated AC Power Output (VA)	5000	8000	10000
Maximum AC Power Output (VA)	5000	8000	10000
AC Output Voltage - Line to Line / Line to Neutral (Nominal) (Vac)	380 / 220; 400 / 230		
AC Output Voltage - Line to Neutral Range (Vac)	184 - 264.5		
AC Frequency (Hz)	50/60 ± 5		
Maximum Continuous Output Current (per Phase) (A)	5	6.5	8
Grids Supported - Three Phase	3 / N / PE (WYE with Neutral)		
OUTPUT - AC BACKUP			
Maximum AC Power Output (Total/Per Phase)	5000/1667	8000/2667	10000/3333
AC Output Voltage - Line to Line / Line to Neutral (Nominal)	380/220; 400/230		
AC Output Voltage - Line to Neutral Range	184 - 264.5		
AC Frequency	50/60 ± 5		
Maximum Continuous Output Current (per phase)	8	13	16
Transformer-less, Ungrounded	Yes		
INPUT PV			
Maximum DC Power (Module STC) (W)	10000	16000	20000
Input Voltage Range (Vdc)	750 - 900		
Maximum Input Current (Adc)	13.3	17.3	20
Reverse-Polarity Protection	Yes		

DC+DC converter

	S440	**S500**	**S500B**	**S650B**
INPUT				
Rated Input DC Power (W)	440	500		650
Absolute Maximum Input Voltage (Voc)	60		125	85
MPPT Operating Range (Vdc)	8 - 60		12.5 - 105	12.5 - 85
Maximum Short Circuit Current (Isc) of Connected PV Module (Isc)	14.5	15		
Overvoltage Category	II			
OUTPUT DURING OPERATION				
Maximum Output Current (Adc)	15			
Maximum Output Voltage (Vdc)	80		60	
OUTPUT DURING STANDBY (				
Safety Output Voltage per Power Optimizer (Vdc)	1 ± 0.1			

The sample selected to test was representative of the production. The sample was selected in:

Sample Report Number:

SolarEdge Technologies Ltd.
2 Hamerkava St. Industrial Zone, Tziporit, Israel

230890-TM

RECORD OF CHANGES

Revision	Reason of the modification	Modification	Date
0	Initial version	--	08/07/2024