



# Certificate

**Manufacturer / applicant:** SolarEdge Technologies Ltd.  
1 HaMada Street  
Herzliya 4673335  
Israel

**Product type:** Grid-tied photovoltaic inverter

**Model:** SE3K; SE4K; SE5K; SE6K; SE7K; SE8K; SE9K;  
SE10K; SE12.5K; SE15K; SE16K; SE17K  
SE5K-AUB; SE7K-AUB; SE8.25K-AUB; SE10K-AUB  
SE3K-RWB; SE4K-RWB; SE5K-RWB

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

IEC 62109-1:2010, EN 62109-1:2010, DIN EN 62109-1:2011

Safety of power converters for use in photovoltaic power systems – Part 1: General requirements

IEC 62109-2:2011, EN 62109-2:2011, DIN EN 62109-2:2012

Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters

**Report number:** 16TH0276-IEC62109-1\_7  
16TH0276-IEC62109-2\_3

**Certification program:** NSOP-0032-DEU-ZE-V01

**Certificate number:** U21-0089

**Date of issue:**

2021-02-04

**Certification body**



Thomas Lammel



Deutsche  
Akkreditierungsstelle  
D-ZE-12024-01-00

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

| Ratings:                    | SE3K                  | SE4K | SE5K | SE6K | SE7K | SE8K |
|-----------------------------|-----------------------|------|------|------|------|------|
| Input DC voltage range [V]: | 680 – 950             |      |      |      |      |      |
| Input DC current [A]:       | 5                     | 7    | 8,5  | 10   | 12   | 13,5 |
| Output AC voltage [V]:      | nom. 400 @ 50 / 60 Hz |      |      |      |      |      |
| Output AC current [A]:      | 5                     | 6,5  | 8    | 10   | 11,5 | 13   |
| Output power [VA]:          | 3000                  | 4000 | 5000 | 6000 | 7000 | 8000 |

| Ratings:                    | SE9K                  | SE10K | SE12,5K | SE15K | SE16K | SE17K |
|-----------------------------|-----------------------|-------|---------|-------|-------|-------|
| Input DC voltage range [V]: | 680 – 950             |       |         |       |       |       |
| Input DC current [A]:       | 15                    | 16,5  | 21      | 22    | 23    | 23    |
| Output AC voltage [V]:      | nom. 400 @ 50 / 60 Hz |       |         |       |       |       |
| Output AC current [A]:      | 14,5                  | 16    | 20      | 23    | 25,5  | 26    |
| Output power [VA]:          | 9000                  | 10000 | 12500   | 15000 | 16000 | 17000 |

| Ratings:                    | SE5K-AUB                                        | SE7K-AUB             | SE8.25K-AUB          | SE10K-AUB            |
|-----------------------------|-------------------------------------------------|----------------------|----------------------|----------------------|
| Input DC voltage range [V]: | 375-450<br>DC to GND                            | 375-450<br>DC to GND | 375-450<br>DC to GND | 375-450<br>DC to GND |
| Input DC current [A]:       | 14                                              | 19,5                 | 22,5                 | 28                   |
| Output AC voltage [V]:      | 220/230Vac L-N; 380/400Vac L-L; N; PE @ 50/60Hz |                      |                      |                      |
| Output AC current [A]:      | 8                                               | 11,5                 | 13,5                 | 16                   |
| Output power [VA]:          | 5000                                            | 7000                 | 8250                 | 10000                |

| Ratings:                    | SE3K-RWB                                        | SE4K-RWB             | SE5K-RWB             |
|-----------------------------|-------------------------------------------------|----------------------|----------------------|
| Input DC voltage range [V]: | 375-450<br>DC to GND                            | 375-450<br>DC to GND | 375-450<br>DC to GND |
| Input DC current [A]:       | 8,5                                             | 11,5                 | 14                   |
| Output AC voltage [V]:      | 220/230Vac L-N; 380/400Vac L-L; N; PE @ 50/60Hz |                      |                      |
| Output AC current [A]:      | 5                                               | 6,5                  | 8                    |
| Output power [VA]:          | 3000                                            | 4000                 | 5000                 |