



APPROVALS®

Certificate of Suitability

Certificate No.: SAA210949

Certificate Holder: SolarEdge Technologies Ltd.
1 HaMada Street,
Herzeliya 4673335
Israel

Regulatory Definition: Non-Prescribed
Product Description: Grid-tied Photovoltaic Inverter
Trade Name/s: SolarEdge Technologies Ltd.
Model No.: SE120K
Rating/Marking/s: PV Input Ratings: 1000Vdc
Max Operating Voltage Range 680-1000Vdc
3x48.25A IscPV: 3x48.25A
Grid Output Ratings:
277/480Vac, 50/60Hz Rated current 145A,
Rated power 120000VA p.f 0.8 to 0.8
Operating Temperature Range: -40 to +60°C
Protective Class: I
OVC: PPV II, Grid III
Topology: non-isolated
IP65

Standard/s: IEC 62109-1 Ed. 1.0
IEC 62109-2 Ed. 1.0
AS/NZS 4777.2:2015

Condition/s: Nil

Approval Marks: RCM (In accordance with AS/NZS 4417 and EESS requirements)
and
SAA210949

Initial Issue Date: 24 June 2021
Expiry Date: 24 June 2026

R.A. Nill

For and on Behalf of
SAA Approvals Pty Ltd

This certificate is issued by SAA Approvals Pty Ltd in accordance with the SAA Approvals Electrical Product Safety Certification Scheme accredited by JAS-ANZ under AS/NZS ISO/IEC 17065 and RECS accreditation under the Queensland Government legislative requirements. SAA certifies the product nominated in this certificate complies with standard/s listed above in accordance with the schemes herein.

For SAA Contact Details and to verify this Certificate go to:

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A P P R O V A L S ®

Certificate of Suitability

Additional Models

SE100K-AU

Trade Name

SolarEdge Technologies Ltd.

Rating/Marking

PV Input Ratings: 1000Vdc
Max Operating Voltage Range 680-1000Vdc
3x40A IscPV: 3x40A
Grid Output Ratings:
277/480Vac, 50/60Hz Rated current 120A,
Rated power 100000VA p.f 0.8 to 0.8
Operating Temperature Range: -40 to +60°C
Protective Class: I
OVC: PPV II, Grid III
Topology: non-isolated
IP65

SE80K

SolarEdge Technologies Ltd.

PV Input Ratings: 1000Vdc
Max Operating Voltage Range 680-1000Vdc
2x48.25A IscPV: 2x48.25A
Grid Output Ratings:
277/480Vac, 50/60Hz Rated current 96.5A,
Rated power 80000VA p.f 0.8 to 0.8
Operating Temperature Range: -40 to +60°C
Protective Class: I
OVC: PPV II, Grid III
Topology: non-isolated
IP65

SE66.6K-AU

SolarEdge Technologies Ltd.

PV Input Ratings: 1000Vdc
Max Operating Voltage Range 680-1000Vdc
2x40A IscPV: 2x40A
Grid Output Ratings:
277/480Vac, 50/60Hz Rated current 72.5A,
Rated power 66600VA p.f 0.8 to 0.8
Operating Temperature Range: -40 to +60°C
Protective Class: I
OVC: PPV II, Grid III
Topology: non-isolated
IP65

R.A. Hill

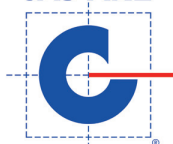
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A P P R O V A L S ®

Certificate of Suitability

Additional Models

SE100K

Trade Name

SolarEdge Technologies Ltd.

Rating/Marking

PV Input Ratings: 830Vdc
Max Operating Voltage Range 680-830Vdc
3x48.25A IscPV: 3x48.25A
Grid Output Ratings:
220/380Vac or 230/400Vac, 50/60Hz Rated current 145A,
Rated power 100000VA p.f 0.8 to 0.8
Operating Temperature Range: -40 to +60°C
Protective Class: I
OVC: PPV II, Grid III
Topology: non-isolated
IP65

SE82.8K

SolarEdge Technologies Ltd.

PV Input Ratings: 830Vdc
Max Operating Voltage Range 680-830Vdc
3x40A IscPV: 3x40A
Grid Output Ratings:
220/380Vac or 230/400Vac, 50/60Hz Rated current 120A,
Rated power 82800VA p.f 0.8 to 0.8
Operating Temperature Range: -40 to +60°C
Protective Class: I
OVC: PPV II, Grid III
Topology: non-isolated
IP65

SE66.6K

SolarEdge Technologies Ltd.

PV Input Ratings: 830Vdc
Max Operating Voltage Range 680-830Vdc
2x48.25A IscPV: 2x48.25A
Grid Output Ratings:
220/380Vac or 230/400Vac, 50/60Hz Rated current 96.5A,
Rated power 66600VA p.f 0.8 to 0.8
Operating Temperature Range: -40 to +60°C
Protective Class: I
OVC: PPV II, Grid III
Topology: non-isolated
IP65

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A P P R O V A L S ®

Certificate of Suitability

Additional Models

SE50K

Trade Name

SolarEdge Technologies Ltd.

Rating/Marking

PV Input Ratings: 830Vdc

Max Operating Voltage Range 680-830Vdc

2x36.25A IscPV: 2x36.25A

Grid Output Ratings:

220/380Vac or 230/400Vac, 50/60Hz Rated current 72.5A,

Rated power 50000VA p.f 0.8 to 0.8

Operating Temperature Range: -40 to +60°C

Protective Class: I

OVC: PPV II, Grid III

Topology: non-isolated

IP65

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