

# SolarEdge Home Wave Inverter

## Three Phase, for Europe

SE3K – SE10K



# INVERTERS

## Specifically designed to work with power optimizers

- / Noise level suitable for residential environments – no external fan
- / Superior efficiency (98%)
- / Battery-ready – one inverter for both PV and battery storage(\*)
- / Small, lightest in its class, and easy to install
- / Built-in module-level monitoring
- / Quick and easy inverter commissioning directly from a smartphone using SolarEdge SetApp
- / Internet connection through Ethernet or Wireless (Wi-Fi or Cellular)
- / IP65 – outdoor and indoor installation
- / Fixed voltage inverter for longer strings
- / Smart Energy Management control
- / Advanced safety feature - integrated arc fault protection

(\*) Pending battery availability and firmware upgrade

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## Three Phase, for Europe

### SE3K – SE10K<sup>(1)</sup>

	SE3K <sup>(2)(3)</sup>	SE4K <sup>(2)</sup>	SE5K	SE6K <sup>(2)</sup>	SE7K	SE8K	SE9K	SE10K	Units
Applicable to inverters with part number	SEXK-XXTXBXX4								
<b>OUTPUT</b>									
Rated AC Power Output	3000	4000	5000	6000	7000	8000	9000	10,000	VA
Maximum AC Power Output	3000	4000	5000	6000	7000	8000	9000	10,000	VA
AC Output Voltage - Line to Line / Line to Neutral (Nominal)	380 / 220; 400 / 230								Vac
AC Output Voltage - Line to Neutral Range	184 – 264.5								Vac
AC Frequency	50/60 ± 5								Hz
Maximum Continuous Output Current (per Phase)	5	6.5	8	10	11.5	13	14.5	16	A
Grids Supported - Three Phase	3 / N / PE (WYE with Neutral)								
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes								
<b>INPUT</b>									
Maximum DC Power (Module STC)	4500 <sup>(4)</sup>	6000	7500	9000	10,500	12,000	13,500	15,000	W
Transformer-less, Ungrounded	Yes								
Maximum Input Voltage	900								Vdc
Nominal DC Input Voltage	750								Vdc
Maximum Input Current	7	9	11.5	13.5	16	18	20.5	23	Adc
Reverse-Polarity Protection	Yes								
Ground-Fault Isolation Detection	700kΩ Sensitivity								
Maximum Inverter Efficiency	98								%
European Weighted Efficiency	96.7	97.3	97.3	97.3	97.4	97.6	97.5	97.6	%
Nighttime Power Consumption	< 2.5								W
<b>ADDITIONAL FEATURES</b>									
Supported Communication Interfaces <sup>(5)</sup>	RS485, Ethernet, wireless SolarEdge Home Network (optional) <sup>(6)</sup> , Wi-Fi (optional), Cellular (optional)								
Smart Energy Management	Export Limitation, Home Energy Management (Device Control)								
Inverter Commissioning	With the SetApp mobile application using built-in Wi-Fi access point for local connection								
Arc Fault Protection	Integrated, user configurable (according to UL 1699B)								
<b>STANDARD COMPLIANCE</b>									
Safety	IEC 62109-1/2								
Grid Connection Standards <sup>(7)</sup>	VDE-AR-N 4105, Tor Erzeuger Typ A, EN 50549-1, CEI 0-21, G98 Type A, G98 NI Type A, G100, RD1699 / RD413 / NTS, VDE-V 0126-1-1, VFR 2019, C10/11, EN 50438								
Electromagnetic Compatibility (EMC)	IEC 61000-6-2, IEC 61000-6-3, IEC 61000-3-11, IEC 61000-3-12, EN 55011								
RoHS	Yes								
<b>INSTALLATION SPECIFICATIONS</b>									
AC Output	Cable Gland – diameter 15 – 21								mm
DC Input	2 MC4 pairs								
Dimensions (H x W x D)	540 x 315 x 191								mm
Weight	16.4								kg
Operating Temperature Range	-40 to +60 <sup>(8)</sup>								°C
Cooling	Internal Fan								
Noise	< 40								dBA
Protection Rating	IP65 – outdoor and Indoor								
Mounting	Bracket Provided								

(1) For higher power models refer to: [SE12.5K-SE17K Three Phase Inverter with SetApp Configuration](#) datasheet.

(2) Available in some countries. Refer to the Certifications category in the [Knowledge Center](#).

(3) SE3K-RW010BNN4 is dedicated for connection of exactly 10 P404/P405/P485/P505 optimizers.

(4) Maximum allowed DC power is 3700W with SE3K-RW010BNN4.

(5) Refer to the Communications category the [Knowledge Center](#) for specifications of optional communication options.

(6) For more information, refer to the [SolarEdge Home Network Wireless Mesh Network](#) datasheet.

(7) For all standards refer to the Certifications category in the [Knowledge Center](#).

(8) For power de-rating information refer to the [Temperature Derating](#) technical note.