

## SolarEdge Home Wave Inverters

Three Phase, for Delta Grids  
(Norway, Taiwan & Philippines)

SE7K - SE10K



### Specifically designed to work with power optimizers

- // Superior efficiency (98%)
- // Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- // Battery-ready – one inverter for both PV and battery-storage(\*)
- // Small, lightest in its class, and easy to install
- // Built-in module-level monitoring
- // Internet connection through Ethernet or Wireless
- // IP65 – Outdoor and indoor installation
- // Fixed voltage inverter, DC/AC conversion only

(\*) Pending battery availability and firmware upgrade

# / SolarEdge Home Wave Inverters

## Three Phase, for Delta Grids (Norway, Taiwan & Philippines)

SE7K - SE10K<sup>(1)</sup>

	SE7K	SE8K	SE9K	SE10K	
<b>APPLICABLE TO INVERTERS WITH PART NUMBER</b>	<b>SEXK-XXXXBXX4</b>				<b>UNITS</b>
<b>OUTPUT</b>					
Rated AC Power Output	4000	4600	5200	5800	VA
Maximum AC Power Output	4000	4600	5200	5800	VA
AC Output Voltage - Line to Line / Line to PE	220 / 127 ; 230 / 133				Vac
AC Output Voltage - Line to Line Range	184 - 264.5				Vac
AC Frequency	50/60 ± 5				Hz
Maximum Continuous Output Current (per Phase)	11.5	13	14.5	16	A
Residual Current Detector / Residual Current Step Detector	300 / 30				mA
Grids Supported - Three Phase	3 Lines / PE (Delta; corner grounding not supported)				
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes				
<b>INPUT</b>					
Maximum DC Power (Module STC)	5400	6210	7020	7830	W
Transformer-less, Ungrounded	Yes				
Maximum Input Voltage	600				Vdc
Nominal DC Input Voltage	400				Vdc
Maximum Input Current	10.5	12	13.5	15	Adc
Reverse-Polarity Protection	Yes				
Ground-Fault Isolation Detection	700kΩ Sensitivity				
Maximum Inverter Efficiency	98				%
European Weighted Efficiency	97.3	97.5	97.5	97.6	%
Nighttime Power Consumption	< 2.5				W
<b>ADDITIONAL FEATURES</b>					
Supported Communication Interfaces <sup>(2)</sup>	RS485, Ethernet, Wi-Fi (requires antenna) <sup>(3)</sup> , ZigBee (optional), Cellular (optional)				
Inverter Commissioning	With the SetApp mobile application using built-in Wi-Fi access point for local connection				
<b>STANDARD COMPLIANCE</b>					
Safety	IEC-62103 (EN50178), IEC-62109				
Grid Connection Standards	C10/11, EN50438				
Electromagnetic Compatibility (EMC)	EN/IEC 61000-6-1, EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN/IEC 61000-6-4, EN 55011, FCC Part 15, EN/IEC 61000-3-2, EN/IEC 61000-3-3, EN/IEC 61000-3-11, EN/IEC 61000-3-12				
RoHS	Yes				
<b>INSTALLATION SPECIFICATIONS</b>					
AC Output	Cable Gland - diameter 15-21				mm
DC Input	2 MC4 pairs				
Dimensions (HxWxD)	540 x 315 x 260				mm
Weight	16.4				kg
Operating Temperature Range	-40 - +60 <sup>(4)</sup>				°C
Cooling	Fan (user replaceable)				
Noise	< 50				dBA
Protection Rating	IP65 - Outdoor and Indoor				
Mounting	Bracket Provided				

<sup>(1)</sup> For higher power models refer to: <http://www.solaredge.com/files/pdfs/products/inverters/se-three-phase-inverter-extended-power-datasheet.pdf>

<sup>(2)</sup> Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

<sup>(3)</sup> Wi-Fi connectivity requires an external antenna. For more information refer to: <https://www.solaredge.com/sites/default/files/se-wifi-zigbee-antenna-datasheet.pdf>

<sup>(4)</sup> For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf>