

# SolarEdge Home Wave Inverter

## Three Phase, for Hong Kong

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 the SolarEdge SetApp
- // Internet connection through Ethernet or Wireless (Wi-Fi, ZigBee Gateway, Cellular)
- // IP65 – Outdoor and indoor installation
- // Fixed voltage inverter for longer strings
- // Smart Energy Management control

(\*) Pending battery availability and firmware upgrade

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### SE10K<sup>(1)</sup>

SE10K		UNITS
Applicable to inverters with part number	SEXXX-XXXTXBXX4	
<b>OUTPUT</b>		
Rated AC Power Output	10000	VA
Maximum AC Power Output	10000	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)	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)	20000	W
Transformer-less, Ungrounded	Yes	
Maximum Input Voltage	900	Vdc
Nominal DC Input Voltage	750	Vdc
Maximum Input Current	16.5	Adc
Reverse-Polarity Protection	Yes	
Ground-Fault Isolation Detection	700kΩ Sensitivity	
Maximum Inverter Efficiency	98	%
European Weighted Efficiency	97.6	%
Nighttime Power Consumption	< 2.5	W
<b>ADDITIONAL FEATURES</b>		
Supported Communication Interfaces <sup>(2)</sup>	RS485, Ethernet, ZigBee (optional), Wi-Fi (requires antenna) <sup>(3)</sup> , 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	
<b>STANDARD COMPLIANCE</b>		
Safety	IEC-62103 (EN50178), IEC-62109	
Grid Connection Standards <sup>(4)</sup>	VDE 0126-1-1, VDE-AR-N-4105, AS-4777, G98 / G59	
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 191	mm
Weight	16.4	kg
Operating Temperature Range	-40 to +60 <sup>(5)</sup>	°C
Cooling	Internal Fan	
Noise	< 40	dba
Protection Rating	IP65 - Outdoor and Indoor	
Mounting	Bracket Provided	

(1) For higher power models refer to: <https://www.solaredge.com/sites/default/files/se-three-phase-inverter-extended-power-datasheet.pdf>

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

(3) 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>

(4) For all standards refer to Certifications category in Downloads page: <http://www.solaredge.com/groups/support/downloads>

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