

SolarEdge Home Wave Inverter

Three Phase, for India

SE8K / SE10K

INVERTER



Specifically designed to work with power optimizers

- / Noise level suitable for residential environments – no external fan
- / Superior efficiency (98%)
- / 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

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Applicable to inverters with part number		SEXK-XXXTXBXX4	
	SE8K	SE10K	Units
OUTPUT			
Rated AC Power Output	8000	10,000	VA
Maximum AC Power Output	8000	10,000	VA
AC Output Voltage - Line to Line / Line to Neutral (Nominal)	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)	13	16	A
Grids Supported - Three Phase	3 / N / PE (WYE with Neutral)		
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes		
INPUT			
Maximum DC Power (Module STC)	12,000	15,000	W
Transformer-less, Ungrounded	Yes		
Maximum Input Voltage	900		Vdc
Nominal DC Input Voltage	750		Vdc
Maximum Input Current	13.5	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
ADDITIONAL FEATURES			
Supported Communication Interfaces	RS485; Ethernet; wireless SolarEdge Home Network (optional) ⁽²⁾ ; Wi-Fi (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)		
STANDARD COMPLIANCE			
Safety	IEC 62109 Part 1, 2		
Grid Connection Standards ⁽³⁾	IEC 61727; IEC 62116		
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		
BIS	IEC 61683; IEC 61000-1,2,14,30; IEC 60529		
INSTALLATION SPECIFICATIONS			
Warranty	8 ⁽⁴⁾		Years
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 ⁽⁵⁾		°C
Cooling	Internal Fan		
Noise	< 40		dBA
Protection Rating	IP65 – outdoor and Indoor		
Mounting	Bracket Provided		

(1) For higher power models refer to [this datasheet](#).

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

(3) For all standards refer to the [SolarEdge Standards and Certifications](#) page.

(4) For specific warranty details of the SolarEdge Home Wave Three Phase Inverter in India, refer to the [SolarEdge Limited Product Warranty \(India\)](#).

(5) For power derating information refer to the [Temperature Derating](#) technical note.