

# SolarEdge Three Phase Inverter

For India

SE5K – SE8K



# INVERTERS

## 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 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

[solaredge.com](http://solaredge.com)

**solar**edge

# / SolarEdge Three Phase Inverter

## For India

SE5K-SE8K<sup>(1)</sup>

	SE5K	SE8K	UNITS
Applicable to inverters with part number	SEXXX-XXXTXBXX4		
<b>OUTPUT</b>			
Rated AC Power Output	5000	8000	VA
Maximum AC Power Output	5000	8000	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)	8	13	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)	6750	10800	W
Transformer-less, Ungrounded	Yes		
Maximum Input Voltage	900		Vdc
Nominal DC Input Voltage	750		Vdc
Maximum Input Current	8.5	13.5	Adc
Reverse-Polarity Protection	Yes		
Ground-Fault Isolation Detection	700kΩ Sensitivity		
Maximum Inverter Efficiency	98		%
European Weighted Efficiency	97.3	97.6	%
Nighttime Power Consumption	< 2.5		W
<b>ADDITIONAL FEATURES</b>			
Supported Communication Interfaces <sup>(2)</sup>	RS485, Ethernet, ZigBee (optional), wireless SolarEdge Home Network (optional) <sup>(3)</sup> , 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		
<b>STANDARD COMPLIANCE</b>			
Safety	IEC-62109 Part 1,2		
Grid Connection Standards <sup>(4)</sup>	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		
<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		

<sup>(1)</sup> For higher power models refer to: <https://www.solaredge.com/sites/default/files/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> For more information, refer to: <https://www.solaredge.com/sites/default/files/se-energy-net-plug-in-datasheet.pdf>.

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

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