

SolarEdge Home Short String Inverter, for India

SE5K-INB



The ideal solution for small-scale residential PV systems

- Greater design flexibility by enabling significantly shorter strings for low power three phase PV systems
- Optimized for installations with complex roofs (multi-facets and different orientations)
- Supports optional smart energy devices and expansion of system capabilities
- Single vendor solution for seamless operation of all system components, and one address for warranty and service issues
- Built-in module-level monitoring for greater visibility into system performance
- Advanced safety features, including touch-safe DC voltage when the inverter is off or disconnected
- Quick inverter commissioning directly from the SetApp smartphone app
- Suitable for outdoor or indoor installations

/ SolarEdge Home

Short String Inverter, for India

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Applicable to inverters with part number	SE5K-INBTEBEN4	Unit
OUTPUT		
Rated AC Power Output	5000	VA
Maximum AC Power Output	5000	VA
AC Output Line Connections	3-phase, 4-wire / PE (L1-L2-L3-N); TN; TT	
AC Output Voltage – Line to Line / Line to Neutral (Nominal)	400 / 230	Vac
AC Output Voltage – Line to Line / Line to Neutral Range	320-478 / 180-264.5	Vac
AC Frequency Range	50/60 ± 5	Hz
Maximum Continuous Output Current (per Phase)	8	A
Grids Supported	3 / N / PE (WYE with Neutral)	
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes	
INPUT		
Maximum DC Power (Module STC)	6750	W
Transformer-less, Ungrounded	Yes	
Maximum Input Voltage	450	Vdc
Nominal DC Input Voltage	375	Vdc
Maximum Input Current	14	
Ground-Fault Isolation Detection	350 kΩ sensitivity	
Maximum Inverter efficiency	97.8	%
European Weighted Efficiency	96.3	%
Reverse-Polarity Protection	Yes	
Typical Nighttime Power Consumption	< 4	W
ADDITIONAL FEATURES		
Supported Communication Interfaces	2 x RS485, Ethernet, Wi-Fi, Wireless SolarEdge Home Network (optional)	
Inverter Commissioning	With the SetApp mobile application using built-in Wi-Fi station for local connection	
Smart Energy Management	Export Limitation, Home Energy Management (Device Control)	
STANDARD COMPLIANCE		
Safety	IEC 62109-1/2; IEC 62103 (EN 50178)	
Grid Connection Standards	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	
Environmental	IEC 60068-2-1; IEC 60068-2-2; IEC 60068-2-14; IEC 60068-2-30; IEC 60529	
RoHS	Yes	
INSTALLATION SPECIFICATIONS		
Warranty	8 ⁽¹⁾	Years
AC Output	Cable gland diameter 15 – 21	mm
DC Input	2 x MC4 pairs	
Dimensions (H x W x D)	540 x 315 x 260	mm
Weight	25	kg
Cooling	Fan (user replaceable)	
Noise	< 50	dBA
Operating Temperature Range	-40 – +60	°C
Protection Rating	IP65 - outdoor and indoor	
Mounting	Brackets provided	
Number of Power Optimizers per String	8 ⁽²⁾ /9 to 20	
Maximum Power per String	5625	

(1) For specific warranty details of the SolarEdge Home Short String Inverter in India, refer to the [SolarEdge Limited Product Warranty \(India\)](#).

(2) When using S500B/S650B/P404/P485/P505 power optimizers only, a minimum of eight power optimizers are required per string.