

# 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

# / SolarEdge Home Wave Inverter

## Three Phase, for India

### SE8K / SE10K

| Applicable to inverters with part number   |  | SEXXK-XXXTBXX4  |        |       |
|--|--|---|--------|-------|
|  |  | SE8K  | SE10K  | Units |
| <strong>OUTPUT</strong>  |  |   |        |       |
| 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   |        |       |
| <strong>INPUT</strong>   |  |   |        |       |
| 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     |
| <strong>ADDITIONAL FEATURES</strong>   |  |   |        |       |
| Supported Communication Interfaces   |  | RS485; Ethernet; wireless SolarEdge Home Network (optional) <sup>(2)</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   |        |       |
| Arc Fault Protection   |  | Integrated, user configurable (according to UL 1699B)   |        |       |
| <strong>STANDARD COMPLIANCE</strong>   |  |   |        |       |
| Safety   |  | IEC 62109 Part 1, 2   |        |       |
| Grid Connection Standards <sup>(3)</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   |        |       |
| <strong>INSTALLATION SPECIFICATIONS</strong>   |  |   |        |       |
| Warranty   |  | 8 <sup>(4)</sup>  |        |       |
| AC Output  |  | Cable Gland – diameter 15 – 21  |        |       |
| DC Input   |  | 2 MC4 pairs   |        |       |
| Dimensions (H x W x D)   |  | 540 x 315 x 191   |        |       |
| Weight   |  | 16.4  |        |       |
| Operating Temperature Range  |  | -40 to +60 <sup>(5)</sup>   |        |       |
| Cooling  |  | Internal Fan  |        |       |
| Noise  |  | < 40  |        |       |
| 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.