

# What a **SOLAR INVERTER** aspires to be ...



IMPROVING LIVELIHOOD WITH SUSTAINABLE ENERGY.

| Model   | SE-TH 6.0 TL3  | SE-TH 10.0 TL3 | SE-TH 15.0 TL3 |
|---|--|----------------|----------------|
| <b>EFFICIENCY</b>   |  |                |                |
| Max. Efficiency   | 98.00%   | 98.30%         | 98.40%         |
| <b>INPUT(DC)</b>  |  |                |                |
| Max. Input Power  | 7,200W   | 12,000W        | 18,000W        |
| Max. Input Voltage  |  | 1000V          |                |
| Max. Input Current  | 2 x 11A  | 2 x 11A        | (11A + 2x11A)  |
| Start Operating Voltage / MPPT Voltage Range  |  | 200V,160V-850V |                |
| MPPT Operating Voltage Range (Full-Load)  | 300V-800V  | 470V-800V      | 470V-800V      |
| No. of MPPT/ String per MPPT  | 2/(1/1)  | 2/(1/1)        | 2/(1/2)        |
| <b>OUTPUT(AC)</b>   |  |                |                |
| Rated AC Active Power   | 6,000W   | 10,000W        | 15,000W        |
| Max. AC Apparent Power  | 6,600VA  | 11,000VA       | 16,500VA       |
| Max. AC Active Power (PF=1)   | 6,600W   | 11,000W        | 16,500W        |
| Max. AC Output Current  | 10A  | 16A            | 23A            |
| Rated AC Voltage  |  | 400V (+/- 20%) |                |
| Rated Grid Frequency  |  | 50Hz           |                |
| THDI  |  | <3%            |                |
| DC Current Injection  |  | <0.5%In        |                |
| Adjustable Power Factor   | > 0.99 Rated power (adjustable range 0.8 lead - 0.8 lag) |                |                |
| <b>PROTECTION</b>   |  |                |                |
| (i) Input DC switch (ii) Anti-islanding protection (iii) AC overcurrent protection (iv) AC short circuit protection (v) DC reverse connection (vi) AC & DC surge protection (vii) Insulation resistance detection (viii) Leakage current detection (ix) PV string fault detection |  |                |                |
| <b>GENERAL</b>  |  |                |                |
| Topology  | Transformerless  |                |                |
| IP Rating   | IP65   |                |                |
| Cooling   | Natural cooling  |                |                |
| Operating Temperature Range   | -25°C to 60°C  |                |                |
| Relative Humidity Range   | 0-100%   |                |                |
| Max. Operating Altitude   | 4000m  |                |                |
| Noise   | <25dB  |                |                |
| Dimensions (W*H*D)  | 385mm x 490mm x 190mm                                    |                |                |
| Weight  | 19.8kg   | 19.8kg         | 21kg           |
| <b>HMI &amp; COM</b>  |  |                |                |
| Display   | Blue-tooth & LED indicator, LCD                          |                |                |
| Communication   | RS485, WIFI (optional), GPRS (optional)                  |                |                |
| <b>CERTIFICATION</b>  |  |                |                |
| Safety  | IEC61727, IEC62116, IEC62109                             |                |                |
| Indian Certifications   | IEC61683, IEC60068                                       |                |                |

## USP

- Elite team of THEA has experience of over 2 decades & 150MW of Solar Projects across the country.
- We offer solutions as a package, so relax leave the optimization to us
- PAN India sales & service network.
- Widest range of product portfolio in industry..... 2kW – 60kW range
- Most inverters with multiple MPPT to ensure enhanced generation at any site condition making the project more economically viable.
- Inbuilt DC & AC side protection through SPDs, Type II and fuses (check model).
- Inbuilt string level monitoring (check model).
- All Inverters are Bluetooth enabled for easiest configuration, software upgrades & data download.
- Use our app theatouch for the fastest and easiest configuration, remote monitoring and firmware updates.
- Cast Aluminum body combines robustness with appealing looks with omission of moving components like fan in most of the models thereby ensuring high reliability factor.
- All our products are made with Tier A components for the highest reliability

Registered Office:

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## CONTACT

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