

What a
SOLAR INVERTER
aspires to be ...



IMPROVING LIVELIHOOD WITH SUSTAINABLE ENERGY.

Model	SE-TH 20.0 TL3	SE-TH 33.0 TL3
EFFICIENCY		
Max. Efficiency	98.80%	98.90%
INPUT(DC)		
Max. Input Power	24,000W	33,800W
Max. Input Voltage	1000V	1000V
Max. Input Current	69A (3 x 23A)	69A (3 x 23A)
Start Operating Voltage / MPPT Voltage Range	250V/200V-950V	250V/200V-950V
MPPT Operating Voltage Range (Full-Load)	480V-850V	480V-850V
No. of MPPT/ String per MPPT	3/(2/2/2)	3/(2/2/2)
OUTPUT(AC)		
Rated AC Active Power	20,000W	30,000W
Max. AC Apparent Power	22,000VA	33,000VA
Max. AC Active Power (PF=1)	22,000W	33,000W
Max. AC Output Current	32A	48A
Rated AC Voltage	400V (+/- 20%)	
Rated Grid Frequency	50Hz/60Hz	
THDI	<3%	
DC Current Injection	<0.5In	
Adjustable Power Factor	> 0.99 Rated power (adjustable range 0.8 lead - 0.8 lag)	
PROTECTION		
(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 SPD type II (vii) Insulation resistance detection (viii) Leakage current detection (ix) PV string fault detection		
GENERAL		
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	<30dB	
Dimensions (W*H*D)	550mm x 715mm x 284mm	
Weight	53kg	53kg
HMI & COM		
Display	Blue-tooth & LED indicator, LCD	
Communication	RS485, Inbuilt string monitoring, WIFI (optional), GPRS (optional)	
CERTIFICATION		
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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