

What a
SOLAR INVERTER
aspires to be ...



IMPROVING LIVELIHOOD WITH SUSTAINABLE ENERGY.

Model	SE-TH 2.0 TL1	SE-TH 3.0 TL1	SE-TH 5.0 TL1
EFFICIENCY			
Max. Efficiency	97.80%	97.80%	98.00%
INPUT(DC)			
Max. Input Power	2,200W	3,300W	5,500W
Max. Input Voltage	600V	600V	600V
Max. Input Current	12.5A	12.5A	20.8A (2*10.4A)
Start Operating Voltage / MPPT Voltage Range	90V/70V-580V	90V/70V-580V	90V/70V-580V
MPPT Operating Voltage Range (Full-Load)	200V-520V	240V-520V	240V-520V
No. of MPPT/ String per MPPT	1/1	1/1	2/2
OUTPUT(AC)			
Rated AC Active Power	2,000W	3,000W	5,000W
Max. AC Apparent Power	2,100VA	3,150VA	5,250VA
Max. AC Active Power (PF=1)	2,100W	3,150W	5,250W
Max. AC Output Current	9.5A	14.3A	23.6A
Rated AC Voltage with Voltage Range	230V (+/- 20%)	230V (+/- 20%)	230V (+/- 20%)
Rated Grid Frequency	50Hz	50Hz	50Hz
THDI	<3%	<3%	<3%
DC Current Injection	<0.5In	<0.5In	<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 (vii) Insulation resistance detection (viii) Leakage current 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	<25dB		
Dimensions (W*H*D)	285 mm* 336 mm*125 mm	335mm*426mm*125mm	
Weight	8.8KG	12.8KG	
HMI & COM			
Display	Blue-tooth & LED indicator		
Communication	RS485(optional), 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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