

What a
SOLAR INVERTER
aspires to be ...



IMPROVING LIVELIHOOD WITH SUSTAINABLE ENERGY.

Model	SE-TH 50.0 TL3	SE-TH 60.0 TL3
EFFICIENCY		
Max. Efficiency	98.50%	98.50%
INPUT(DC)		
Max. Input Power	60,000W	72,000W
Max. Input Voltage	1100V	1100V
Max. Input Current	110A (33A/33A/22A/22A)	132A (33A/33A/33A/33A)
Start Operating Voltage / MPPT Voltage Range	250V/200V-960V	250V/200V-960V
MPPT Operating Voltage Range (Full-Load)	620V-850V	620V-850V
No. of MPPT/ String per MPPT	4(3/3/2/2)	4(3/3/3/3)
OUTPUT(AC)		
Rated AC Active Power	50,000W	60,000W
Max. AC Apparent Power	55,000VA	66,000VA
Max. AC Active Power (PF=1)	55,000W	66,000W
Max. AC Output Current	83A	92A
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)	
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) GFCI protection (x) PV string fault detection (xi) String Fuse protection		
GENERAL		
Topology	Transformerless	
IP Rating	IP65	
Cooling	Intelligent convection	
Operating Temperature Range	-25°C to 60°C	
Relative Humidity Range	0-100%	
Max. Operating Altitude	4000m	
Noise	<50db	
Dimensions (W*H*D)	855mm x 555mm x 275mm	
Weight	65kg	67kg
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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