

Compliance Document

No. D 114411 0006 Rev. 01


Holder of Certificate: **THEA ENERGY PRIVATE LIMITED**
Y17 EP Block Sector V Salt Lake Electronics Complex
Kolkata 700091
INDIA

Product: **Converter**
(PV Grid-connected inverter)

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290213079102A

Date, 2023-05-08



(Billy Qiu)

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Model(s): SE-TH01 2.0TL1, SE-TH01 3.0TL1,
SE-TH01 3.6TL1, SE-TH01 4.0TL1,
SE-TH01 5.0TL1, SE-TH01 6.0TL1

Parameters:

Model	SE-TH01 2.0TL1	SE-TH01 3.0TL1	SE-TH01 3.6TL1
PV terminal			
Vmax. PV	500Vd.c.		
MPPT Voltage Range	50-490Vd.c.		
MPPT Voltage Range (full load)	140 ~ 430Vd.c.	210 ~ 430Vd.c.	250 ~ 430Vd.c.
MPPT Tracker number	1		
Max. continuous PV input current per tracker	15Ad.c.		
Isc PV per tracker	20Ad.c.		
Grid terminal			
Rated voltage	220/230/240 Va.c.		
Rated frequency	50/60 Hz		
Maximum continuous output current	10Aa.c.	15Aa.c.	16Aa.c.
Rated output current	9.1/8.7/8.3 Aa.c.	13.6/13.0/12.5 Aa.c.	16/15.7/15.0 Aa.c.
Maximum output current	10.0/9.6/9.2 Aa.c.	15.0/14.3/13.8 Aa.c.	16/15.7/15.0 Aa.c.
Rated output power	2000W	3000W	3600W
Rated output Apparent power	2000VA	3000VA	3600VA
Maximum continuous output Apparent power	2200VA	3300VA	3600VA
Power factor (Cos phi), adjustable	0.8 leading ~ 0.8 lagging		
Enclosure	IP65		
Temperature Range	-25°C ~ +60°C (derating at 45°C)		
Protective Class	I		
Altitude	up to 4000 m		

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Model	SE-TH01 4.0TL1	SE-TH01 5.0TL1	SE-TH01 6.0TL1
PV terminal			
Vmax. PV	550Vd.c.		
MPPT Voltage Range	70-540Vd.c.		
MPPT Voltage Range (full load)	140 ~ 480Vd.c.	170 ~ 480Vd.c.	210 ~ 480Vd.c.
MPPT Tracker number	2		
Max. continuous PV input current per tracker	15/15Ad.c.		
Isc PV per tracker	20/20Ad.c.		
Grid terminal			
Rated voltage	220/230/240 Va.c.		
Rated frequency	50/60 Hz		
Maximum continuous output current	20Aa.c.	25Aa.c.	27.3Aa.c.
Rated output current	18.2/17.4/16.7 Aa.c.	22.7/21.7/20.8 Aa.c.	27.3/26.1/25.0 Aa.c.
Maximum output current	20.0/19.1/18.3 Aa.c.	25.0/23.9/22.9 Aa.c.	27.3/26.1/25.0 Aa.c.
Rated output power	4000W	5000W	6000W
Rated output Apparent power	4000VA	5000VA	6000VA
Maximum continuous output Apparent power	4400VA	5500VA	6000VA
Power factor (Cos phi), adjustable	0.8 leading ~ 0.8 lagging		
Enclosure	IP65		
Temperature Range	-25°C ~ +60°C (derating at 45°C)		
Protective Class	I		
Altitude	up to 4000 m		

Tested according to:

IEC 60068-2-1:2007
 IEC 60068-2-2:2007
 IEC 60068-2-14:2009
 IEC 60068-2-30:2005