



Product Service

Compliance Document

No. D 114411 0011 Rev. 00

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

Product: **Converter**
(Grid-Tied Solar 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.: 64290233058601

Date, 2023-04-26

(Billy Qiu)

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Model(s): SE-TH 01 5.0TL3, SE-TH 01 6.0TL3,
SE-TH 01 8.0TL3, SE-TH 01 10.0TL3,
SE-TH 01P10.0TL3, SE-TH 01 12.0TL3,
SE-TH 01 15.0TL3, SE-TH 01P15.0TL3,
SE-TH 01 17.0TL3, SE-TH 01 20.0TL3,
SE-TH 01 22.0TL3, SE-TH 01 25.0TL3,
SE-TH 01 30.0TL3

Parameters:

Model	SE-TH 01 5.0TL3	SE-TH 01 6.0TL3	SE-TH 01 8.0TL3	SE-TH 01 10.0TL3	SE-TH 01P 10.0TL3	SE-TH 01 12.0TL3
PV terminal						
Nominal Voltage	620 Vd.c.					
Vmax. PV	1100Vd.c.					
MPPT Voltage Range	160-1000 Vd.c.					
MPPT Voltage Range (full load)	170-850 Vd.c.	210-850 Vd.c.	270-850 Vd.c.	340-850 Vd.c.	510-850 Vd.c.	270-850 Vd.c.
MPPT Tracker number	2					
Max. continuous PV input current per tracker	15/15Ad.c.				15/30Ad.c.	
Isc PV per tracker	20/20Ad.c.				20/40Ad.c.	
Grid terminal						
Rated voltage	230/400 Va.c., 3W+N+PE					
Rated frequency	50 Hz					
Maximum continuous output current	8.4 Aa.c.	10.1 Aa.c.	13.4 Aa.c.	17 Aa.c.	16.8 Aa.c.	20.2 Aa.c.
Rated output current	7.2 Aa.c.	8.7 Aa.c.	11.6 Aa.c.	14.5 Aa.c.	14.5 Aa.c.	17.4 Aa.c.
Rated output power	5000W	6000W	8000W	10000W	10000W	12000W
Maximum continuous output Apparent power	5500VA	6600VA	8800VA	11200VA	11000VA	13200VA
Power factor	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)					

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Model	SE-TH 01 15.0TL3	SE-TH 01P 15.0TL3	SE-TH 01 17.0TL3	SE-TH 01 20.0TL3	SE-TH 01 22.0TL3	SE-TH 01 25.0TL3	SE-TH 01 30.0TL3
PV terminal							
Nominal Voltage	620 Vd.c.						
Vmax. PV	1100Vd.c.						
MPPT Voltage Range	160-1000 Vd.c.						
MPPT Voltage Range (full load)	340-850 Vd.c.	380-850 Vd.c.	290-850 Vd.c.	340-850 Vd.c.	380-850 Vd.c.	430-850 Vd.c.	510-850 Vd.c.
MPPT Tracker number	2						
Max. continuous PV input current per tracker	15/30 Ad.c.	30/30Ad.c.					40/30 Ad.c.
Isc PV per tracker	20/40 Ad.c.	40/40Ad.c.					50/37.5 Ad.c.
Grid terminal							
Rated voltage	230/400 Va.c., 3W+N+PE						
Rated frequency	50 Hz						
Maximum continuous output current	25.3 Aa.c.	25.3 Aa.c.	28.6 Aa.c.	33.7 Aa.c.	37 Aa.c.	39.8 Aa.c.	50.2 Aa.c.
Rated output current	21.7 Aa.c.	21.7 Aa.c.	24.6 Aa.c.	29 Aa.c.	31.9 Aa.c.	36.2 Aa.c.	43.5 Aa.c.
Rated output power	15000W	15000W	17000W	20000W	22000W	25000W	30000W
Maximum continuous output Apparent power	16700VA	16500VA	18700VA	22000VA	24200VA	27500VA	33000VA
Power factor	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)						



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**Tested
according to:**

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