

Compliance Document

No. D 114411 0012 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.: 64290233058501

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 Name | 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 |
|---------------------------------|--|--------------------|--------------------|---------------------|----------------------|
| PV input terminal parameters | | | | | |
| Maximum Input Voltage | 1100 V d.c. | | | | |
| MPPT Voltage Range | 160 V d.c. -1000 V d.c. | | | | |
| MPPT Tracker number | 1/1 | | | 1/2 | |
| Maximum Input Current | 15/15 A d.c. | | | 15/30 A d.c. | |
| Maximum Shorted-Circuit Current | 20/20 A d.c. | | | 20/40 A d.c. | |
| AC output terminal parameters | | | | | |
| Rated Output Voltage | 3/N/PE~, 230/400 V a.c. | | | | |
| Rated Output Current | 7.2 A.a.c. | 8.7 A.a.c. | 11.6 A.a.c. | 14.5 A.a.c. | 14.5 A.a.c. |
| Maximum Output Current | 8.4 A a.c. | 10.1 A a.c. | 13.4 A a.c. | 17.0 A a.c. | 16.8 A a.c. |
| Rated Output Power | 5000 W | 6000 W | 8000 W | 10000 W | 10000 W |
| Maximum Output Power | 5500 W | 6600 W | 8800 W | 11200 W | 11000 W |
| Maximum Output Apparent Power | 5500 VA | 6600 VA | 8800 VA | 11200 VA | 11000 VA |
| Rated Output Frequency | 50 Hz | | | | |
| Power Factor | 0.8 inductive(under-excited) to 0.8 capacitive(over-excited) | | | | |

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| Model Name | SE-TH 01 12.0TL3 | SE-TH 01 15.0TL3 | SE-TH 01P 15.0TL3 | SE-TH 01 17.0TL3 |
|---------------------------------|--|---------------------|----------------------|---------------------|
| PV input terminal parameters | | | | |
| Maximum Input Voltage | 1100 V d.c. | | | |
| MPPT Voltage Range | 160 V d.c.-1000 V d.c. | | | |
| MPPT Tracker number | 1/2 | 1/2 | 2/2 | 2/2 |
| Maximum Input Current | 15/30 A d.c. | | 30/30 A d.c. | |
| Maximum Shorted-Circuit Current | 20/40 A d.c. | | 40/40 A d.c. | |
| AC output terminal parameters | | | | |
| Rated Output Voltage | 3/N/PE~, 230/400 V a.c. | | | |
| Rated Output Current | 17.4 A a.c. | 21.7 A a.c. | 21.7 A a.c. | 24.6 A a.c. |
| Maximum Output Current | 20.2 A a.c. | 25.3 A a.c. | 25.3 A a.c. | 28.6 A a.c. |
| Rated Output Power | 12000 W | 15000 W | 15000 W | 17000 W |
| Maximum Output Power | 13500 W | 16500 W | 16500 W | 18700 W |
| Maximum Output Apparent Power | 13200 VA | 16700 VA | 16500 VA | 18700 VA |
| Rated Output Frequency | 50 Hz | | | |
| Power Factor | 0.8 inductive(under-excited) to 0.8 capacitive(over-excited) | | | |

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| Model Name | SE-TH 01 20.0TL3 | SE-TH 01 22.0TL3 | SE-TH 01 25.0TL3 | SE-TH 01 30.0TL3 |
|---------------------------------|--|---------------------|---------------------|---------------------|
| PV input terminal parameters | | | | |
| Maximum Input Voltage | 1100 V d.c. | | | |
| MPPT Voltage Range | 160 V d.c.-1000 V d.c. | | | |
| MPPT Tracker number | 2/2 | 2/2 | 2/2 | 2/2 |
| Maximum Input Current | 30/30 A d.c. | | | 40/30 A d.c. |
| Maximum Shorted-Circuit Current | 40/40 A d.c. | | | 50/37.5 A d.c. |
| AC output terminal parameters | | | | |
| Rated Output Voltage | 3/N/PE~, 230/400 V a.c. | | | |
| Rated Output Current | 29.0 A a.c. | 31.9 A a.c. | 36.2 A a.c. | 43.5 A a.c. |
| Maximum Output Current | 33.7 A a.c. | 37.0 A a.c. | 39.8 A a.c. | 50.2 A a.c. |
| Rated Output Power | 20000W | 22000W | 25000W | 30000W |
| Maximum Output Power | 22000 W | 24200 W | 27500 W | 33000 W |
| Maximum Output Apparent Power | 22000 VA | 24200 VA | 27500 VA | 33000 VA |
| Rated Output Frequency | 50 Hz | | | |
| Power Factor | 0.8 inductive(under-excited) to 0.8 capacitive(over-excited) | | | |

**Tested
according to:**

IEC 61727:2004
IEC 62116:2014