



Unit Certificate

No: 614071/04

Signed Copy No.1

Manufacturer

SMA Solar Technology AG.
Sonnenallee, 1.
34266. Niestetal. Germany.

Type of generating unit

Solar Inverter

Sunny Tripower STP TL series

Model

15000TL-30

17000TL-30

20000TL-30

25000TL-30

Technical Data

Rated Active Power

15 kW

17 kW

20 kW

25 kW

Rated Apparent Power

15 kVA

17 kVA

20 kVA

25 kVA

Rated Voltage

150 - 800 Vdc
220/230/240 Vac

Nominal Frequency

50/60 Hz

Firmware version

2.80.06.R

Validated model

SMASTP-TL A9.pfd

Network connection rule

BDEW Guideline "Generating plants connected to the medium-voltage network"

Guideline for generating plants connection to and parallel operation with the medium-voltage network, June 2008 issue and adaption's dated 01/2009, 07/2010, 02/2011 and 01/2013.

Other applicable standards / guidelines

FGW-Richtlinie TR 3 Rev.23, FGW-Richtlinie TR 4 Rev. 6 und FGW-Richtlinie TR 8 Rev.6.

The above-mentioned generating unit complies with the requirements of the BDEW Guideline "Generating units connected to the medium-voltage network", June 2008 issue and adaption's dated 01/2009, 07/2010 and 02/2011.

This certification according to ISO/IEC 17065 has been issued on basis of the certification procedure of SGS.

The PGU can fulfill the demands made by the grid connection regulation without additional device.

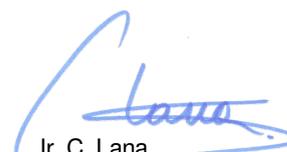
The manufacturer has furnished evidence of the certification of its quality management system according ISO 9001.

The certificate has been issued taking into account the following information:

- Technical data of the generating unit, the auxiliary equipment used and of the software version applied
- Schematic representation of the generating unit's structure
- Summed-up information about the generating unit's characteristics

The certificate is valid until : 2020-01-14

Place, Date : Brussels, 2016-12-05



Ir. C. Lana,
Certification Manager