



**BUREAU  
VERITAS**

# TEST REPORT IEC 61727 / IEC 62116

Photovoltaic (PV) systems  
Characteristics of the utility interface

Test procedure of islanding prevention measures for  
utility-interconnected photovoltaic inverters

Report reference number..... : 14TH0304-IEC61727\_1

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Total number of pages..... : 170

Testing laboratory name..... : **Bureau Veritas  
Consumer Products Services  
Germany GmbH**

Address..... : Businesspark A96  
86842 Türkheim  
Germany



Deutsche  
Akkreditierungsstelle  
D-PL-12024-03-01

Applicant's name..... : **SMA Solar Technology AG**

Address..... : Sonnenallee 1, 34266 Niestetal

### Test specification

Standard ..... : IEC 61727:2004, EN 61727:1995, DIN EN 61727:1996  
IEC 62116:2008, EN 62116:2011, DIN EN 62116:2012

With deviations for Thailand according to the grid-connected inverter  
regulations of the Metropolitan Electricity Authority (MEA):2013

With deviations for Thailand according to the grid-connected inverter  
regulations of the Provincial Electricity Authority (PEA):2013

Certificate ..... : **Certificate of compliance**

Test report form number..... : IEC 61727

Master TRF..... : Bureau Veritas Consumer Products Services Germany GmbH

Test item description ..... : **Grid-tied photovoltaic inverter**

Trademark ..... :



Model / Type..... : STP 20000TL-30, STP 25000TL-30

Ratings..... : **STP 25000TL-30** **STP 20000TL-30**

MPP DC voltage range [V] ..... : 390 – 800 320 – 800

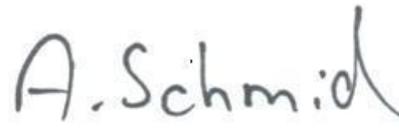
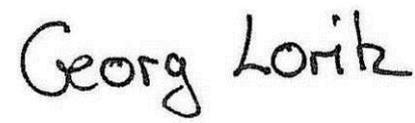
Max input DC voltage [V]..... : 1000

Input DC current [A]..... : nom. 2 x 16 max. 2 x 33

Output AC voltage [V]..... : 400 3 / N / PE @ 50 / 60 Hz

Max. output AC current [A] ..... : 36,2 29

Output power [W]..... : 25000 20000

<b>Testing Location .....</b>	<b>Bureau Veritas Consumer Products Services Germany GmbH</b>
<b>Address .....</b>	Businesspark A96, 86842 Türkheim, Germany
<b>Tested by (name and signature) .....</b>	Alastair Schmid 
<b>Approved by (name and signature) .....</b>	Georg Loritz 
<b>Manufacturer's name .....</b>	<b>SMA Solar Technology AG</b>
<b>Factory address .....</b>	Sonnenallee 1, 34266 Niestetal

#### IMPORTANT NOTE FROM SMA

The inverters to be installed under the area of jurisdiction from MEA must be shipped directly from our factory to Thailand, as MEA requires a factory-based "routine test report". The factory-based "routine test report" cannot be made after the delivery.

In addition be aware that MEA accepts only certain FW Versions. For that reason it is strongly recommended to disable the "automatic updates" function in Sunny Portal. SMA keeps track on the approved FW Versions by MEA and will deliver the inverters with the correct version.