



# Certificate of compliance

**Applicant:** SMA Solar Technology  
Sonnenallee 1  
34266 Niestetal  
Germany

**Product:** Grid-tied photovoltaic (PV) inverter

**Model:** STP 60-10 / MLX 60

## Use in accordance with regulations:

The inverter is tested according to the IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000 procedure for measuring efficiency.

## Applied rules and standards:

**IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000**

Photovoltaic systems – Power conditioners – Procedure for measuring efficiency

At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

**Report number:** 15TH0075-IEC61683  
**Certificate number:** U15-0073  
**Date of issue:** 2015-02-27

## Certification body

Dieter Zitzmann



Deutsche  
Akkreditierungsstelle  
D-ZE-12024-01-01

Certification body of Bureau Veritas Consumer Products Services Germany GmbH  
Accredited according to EN 45011 - ISO / IEC Guide 65

## Measuring of efficiency

Extract from test report according the IEC 61683

Nr. 14TH0075

### Efficiency measurement conditions test results

STP 60-10 / MLX 60

Input voltage [Vdc]		Power in [W] (nom. 60kW)				
		Partial output efficiency				Rated output efficiency
		10%	25%	10%	25%	10%
		6,0 kW	15,0 kW	6,0 kW	15,0 kW	6,0 kW
		$\eta$ in [%]				
$V_{min}$	570,00	98,47	98,81	98,65	98,45	98,32
$V_{nominal}$	630,00	98,23	98,39	98,39	98,21	98,06
$V_{max}$ (90% MPPT)	720,00	97,75	98,25	98,14	97,93	97,80

