

Certificate of compliance

Applicant: SMA Solar Technology AG

Sonnenallee 1 34266 Niestetal

Germany

Product: Grid-tied photovoltaic (PV) inverter

Model: STP 60-10

SHP 75-10

Use in accordance with regulations:

The inverters are tested according the IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000 procedure for measuring efficiency. For the STP 60-10 a maximum efficiency value of η = 98,8% is measured and for the SHP 75-10 a maximum efficiency value of η = 98,8% is measured.

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: 14TH0075-IEC61683_1

Certificate number: U17-0439
Date of issue: 2017-08-21





Certification body of Bureau Veritas Consumer Products Services Germany GmbH Accredited according to DIN EN ISO/IEC 17065

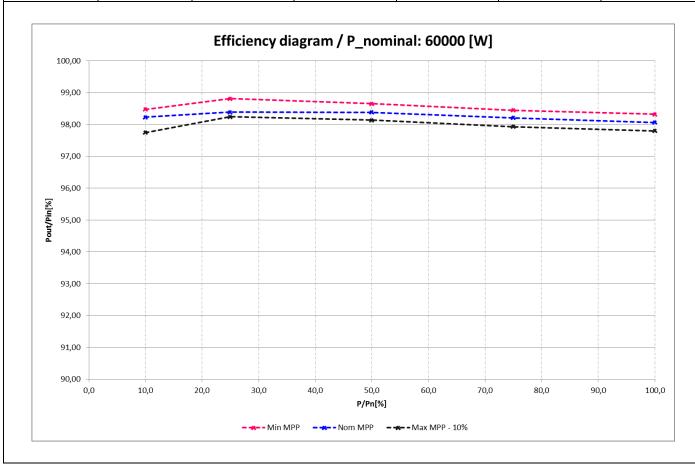


Measuring of efficiency

Extract from test report according the IEC 61683

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			STP 60-10			
Power in [W] (nom. 60000W)						
Input voltage [Vdc]		10%	25%	50%	75%	100%
		6,0 kW	15,0 kW	30,0 kW	45,0 kW	60,0 kW
		η in [%]				
V _{min}	570,00	98,5	98,8	98,7	98,5	98,3
V _{nominal}	630,00	98,2	98,4	98,4	98,2	98,1
V _{max (90% MPPT)}	720,00	97,8	98,3	98,1	97,9	97,8





Measuring of efficiency

Extract from test report according the IEC 61683

Nr. 14TH0075-IEC61683_1

			SHP 75-10			
Power in [W] (nom. 75000W)						
Input voltage [Vdc]		10%	25%	50%	75%	100%
		7,5 kW	18,75 kW	37,5 kW	56,25 kW	75,0 kW
		η in [%]				
V _{min}	570,00	98,5	98,8	98,6	98,3	98,1
V _{nominal}	630,00	98,2	98,4	98,3	98,0	97,9
V _{max (90% MPPT)}	720,00	97,9	98,1	98,0	97,7	97,6

