



# Attestation of Conformity


**Attestation No.:** 1788AP0926N046001  
**Equipment:** PV inverter  
**Brand Name:**   
**Test Model No.:** SOLID-Q 50  
**Applicant:** SMA New Energy Technology (Jiangsu) Co., Ltd  
No. 198 Xiangyang Road, Suzhou 215011, China  
**Report No.:** PV170926N046-R1, PV170926N046-1-R1, PV170926N046-2-R1,  
PV170926N046-3, WT176002786

## Use in accordance with regulations:

The inverters are tested for functional safety, grid protection, specified environmental influences and efficiency. For detailed information, please watch the corresponding test reports.

## Applied rules and standards

IEC 60068-2-1:2007	Environmental testing – Part 2-1: Tests – Test A: Cold
IEC 60068-2-2:2007	Environmental testing – Part 2-2: Tests – Test B: Dry heat
IEC 60068-2-6:2007	Environmental testing – Part 2-6: Tests – Test Fc: Vibration (sinusoidal)
IEC 60068-2-14:2009	Environmental testing – Part 2-14: Tests – Test N: Change of temperature
IEC 60068-2-27:2008	Environmental testing – Part 2-27: Tests – Test Ea and guidance: Shock
IEC 60068-2-30:2005	Environmental testing – Part 2-30: Tests – Test Db and guidance: Damp heat, cyclic (12 + 12-hour cycle)
IEC 60068-2-64:2008	Environmental testing – Part 2-64: Tests – Test Fh: Vibration, broadband random and guidance
IEC 60068-2-75:2014	Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests
IEC 60068-2-78:2012	Environmental testing – Part 2-78: Tests – Test Cab: Damp heat, steady state
EN 50530:2010	Overall efficiency of grid connected photovoltaic inverters
IEC 61683:1999	Photovoltaic systems – Power conditioners – Procedure for measuring efficiency
IEC 61727:2004	Characteristics of the utility interface
IEC 62116:2014	Islanding prevention measures for utility-interconnected photovoltaic inverters

  
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**Date: 2017-12-14**

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