



**BUREAU
VERITAS**

Certificate of compliance

Applicant: **ALTENERGY POWER SYSTEM INC.**
No.1 Yatai Road,
Jiaxing 314050 Zhejiang Province,
P.R. China

Product: **Grid-tied photovoltaic inverter**
Model: **QS1**
QS1200

Use in accordance with regulations:

Automatic disconnection device with single-phase mains surveillance in accordance with IEC 61727:2004 and IEC62116:2008/2014 for photovoltaic systems with a single-phase parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverters.

Applied rules and standards:

IEC 61727:2004

Photovoltaic (PV) systems – Characteristics of the utility interface

IEC 62116:2008 / IEC 62116:2014

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

The following values according IEC61727 and IEC62116 were applied:

under voltage limit (level 1): 195,5V
under voltage limit (level 2): 115,0V
over voltage limit (level 1): 253,0V
overvoltage limit (level 2): 280,0V
lower frequency limit: 49,0Hz
upper frequency limit: 51,0Hz
loss of main detection limit: 2s

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: **ZEK-18AU0385FCSHP-1**
ZEK-18AU0385FCSHP-2

Certificate number: **U18-0516**

Date of issue: **2018-09-13**

Certification body



Holger Schaffer

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

