



**BUREAU
VERITAS**

Certificate of compliance

Applicant: **Shenzhen Growatt New Energy Technology Co., Ltd.**
1st East & 3rd Floor, Building 5, Jiayu Industrial Zone,
Xibianling, Shangwu Village, Shiyan, Bao'an District, Shenzhen
P.R. China

Product: **Automatic disconnection device between a generator and the
public low-voltage grid**

Model: **Growatt 1000-S
Growatt 1500-S
Growatt 2000-S
Growatt 3000-S**

Use in accordance with regulations:

Automatic disconnection device with single-phase mains surveillance in accordance with EN 50438:2013 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:

EN 50438:2013, Requirements for the connection of micro-generators in parallel with the public low-voltage distribution networks.

The following deviations for Denmark according to EN50438:2013 were applied:

| | |
|-------------------------------------|--------|
| <i>Under voltage limit:</i> | 207,0V |
| <i>Upper voltage limit Stage 1:</i> | 253,0V |
| <i>Upper voltage limit Stage 2:</i> | 259,9V |
| <i>Under frequency limit:</i> | 47,5Hz |
| <i>Upper frequency limit:</i> | 52,0Hz |

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: **PV151112N006-EN50438**
Certificate number: **U16-0006**
Date of issue: **2016-01-18**

Certification body



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