



**BUREAU  
VERITAS**

# Certificate of compliance

## with the requirements of the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations

**Applicant:** Huawei Technologies Co., Ltd.  
Administration Building, Headquarters of Huawei Technologies Co., Ltd.,  
Bantian, Longgang District, Shenzhen, 518129  
P.R. China

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

<b>Model</b>	SUN2000-185KTL-INH0
<b>Active output power [kW]</b>	160
<b>Rated voltage</b>	800 (3~ + PE, 50/60Hz)

Photovoltaic systems with a three-phase parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverters

**Firmware version:** V300R001

**Connection rule:** Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007:

GAZETTE OF INDIA: EXTRAORDINARY [Part III – Sec. 4]: MINISTRY OF POWER (Central Electricity Authority) NOTIFICATION from 2007-02-21, No. 12/X/STD(CONN)/GM/CEA. \*

- including Central Electricity Authority (Technical Standards for Connectivity to the Grid) Amendment Regulations, 2013
- including Annecure-I: Clarification w.r.t. PART IV of CEA Regulations. Applicability from 2015-09-04

Central Electricity Authority Notification from 2019-02-06: Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2019

**Standards / directives for testing:**

IEC/TS 62910:2015

IEC 61727:2004-12

CEI 0-16: 2019-04

FGW TG3, Rev. 25: 2018-09-01, referencing IEC 61400-21 Ed. 2: 2008 and 61000-4-7: 2002

The above mentioned generation units have been tested according to the test procedure mentioned above. The electrical properties required in the connection rule are satisfied.

- Verification of requirements according to B1 with respect to Harmonics, Direct Current (DC) Injection and Flicker
- Verification of requirements according to B2 with respect to reactive power provision, operation in the frequency range, riding through voltage dips and rises on the interconnection point and active power control including frequency response

**Report number:** 19TH0240\_CEA\_2019\_0

**Certification scheme:** NSOP-0032-DEU-ZE-V01

**Certificate number:** U19-0396

**Date of issue:** 2019-07-02

**Certification body**



Holger Schaffer

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