

# Certificate of compliance

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

**Applicant:** ABB Oy Solar  
Hiomotie 13  
FI-00380 Helsinki  
Finland

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

**Model:** PVS980-58-xxxxkVA-y \* and PVS980-58BC-zzzzkVA-w \*  
(\* see certificate annex for more information on type definition)

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:** FW: 1.43.0.0

**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 Annexure-I: Clarification w.r.t. PART IV of CEA Regulations. Applicability from 2015-09-04 \*\*

**Standards / directives for testing:**

IEC 61727:2004 (limits from IEEE 519)  
FGW TG3, Rev. 24: 2016-03, referencing IEC 61400-21 Ed. 2: 2008 and 61000-4-7: 2002  
CEI 0-16, V3: 2017-07  
SAGC Version 2.9: 2016-07  
IEC/TS 62910:2015 \*\*

\*\* Non-accredited

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 on the interconnection point and reactive power control

**Report number:** 15TH0328\_CEA\_0

**Certificate number:** U18-0436

**Date of issue:** 2018-07-26

**Certification body**



Holger Schaffer



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



# Certificate Annex

## Details on type family:

The type code defines the specification and configuration of the inverters as follows:

### PVS980-58-xxxxkVA-y

Digit	Name/description	Alternatives	Description
1...6	Product series	PVS980	PVS980 product series (ABB central inverter)
8...9	Construction	58	Cabinet-built outdoor inverter
11...17 (xxxx)	Size	1800 – 2070, depending on output AC voltage	Inverter nominal AC power in kVA at nominal ambient temperature
19 (y)	Voltage rating	I, J, K or L	Inverter AC voltage range

### PVS980-58BC-zzzzkVA-w

Digit	Name/description	Alternatives	Description
1...6	Product series	PVS980	PVS980 product series (ABB central inverter)
8...9	Construction	58	Cabinet-built outdoor inverter
10...11	Construction	BC	Bidirectional converter with a battery as DC input source
13...19 (zzzz)	Size	1454 – 2091, depending on output AC voltage	Inverter nominal AC power in kVA at nominal ambient temperature
21 (y)	Voltage rating	(E, F, G)***, I, J, K or L	Inverter AC voltage range *** not covered by the test report, but identical according to the manufacturer

Report number: 15TH0328\_CEA\_0

Certificate number: U18-0436

Date of issue: 2018-07-26



Certification body

Holger Schaffer



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

page 2 of 2