WindGuard Certification GmbH
Accredited according to DIN EN 45011:1998

Oldenburger Straße 65, 26316 Varel, Germany

WindGuard Certification

Amendment to Type Certificate for Generation Unit

Nr.: ZN11153.03.01

Manufacturer	**Power-One Italy S.P.A.** Via S. Giorgio, 642; 52028 – Terranuova Bracciolini (AR), Italy	
	Quality management system:	ISO 9001:2008, valid until 18.04.2013
Description	**Type:**	**PVI-55.0-330.0-DE & PVI-55.0-330.0-TL-DE families**
	Rated active power:	55 kW; 110 kW; 165 kW; 220 kW; 275 kW; 330 kW
	Apparent power:	62 kVA; 124 kVA; 186 kVA; 248 kVA; 310 kVA; 372 kVA
	Rated AC voltage / -frequency:	320 V (-TL-DE), 400 V (-DE) / 50 Hz
	Software version:	DSP: ≥EF11 or AF32; µP: ≥FF11 or BF09

The certification body confirms with its signature the following amendments to the type certificate for generation unit ZN11153.01.01 (25.04.2012) for the solar inverter families Power-One PVI-55.0-330.0-DE & PVI-55.0-330.0-TL-DE:

1. The assignments of the rated AC-voltage to the respective option, '-TL-DE' (without transformer) and '-DE' (with transformer) stated on the certificate had been interchanged.
Corrected, they are:

320 V (-TL-DE)
400 V (-DE)

2. The Appendix 1 to the certificate ZN11153.01.01 is supplemented with the verification, as to whether or not the power ramp limitation after disconnection of the inverter is activated:

- LSB variable '71' = 0: functionality is deactivated
- LSB variable '71' = 1: functionality is activated

This functionality controls the active power injection into the grid after an occurring grid disconnection of the inverter. With activation of this functionality, the inverter performs a power ramp of $<10\%P_n$ per minute. With activation of the 'power ramp functionality', the ramp function is also applied after an occurring generic fault inside the inverter or after a voltage loss/power-off on the DC-side. The current version of the BDEW-guideline, paragraph 5.7.1, allows the deactivation of this functionality for solar farms with a connection power of <1 MVA.

These corrections do not have any further relevance with regard to the assessment of the electrical characteristics and behaviour of the electrical unit within the framework of the preparation of plant certificates.

Thus, the certification body, in accordance with the owner of the certificate, refrains from the issuance of a new certificate.

DAkkS
Deutsche
Akkreditierungsstelle
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Varel, 19.10.2012

ZERTIFIZIERT DURCH WindGuard Certification ZERTIFIZIERUNGSSTELLE

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