

## Type Certificate for Generation Unit

Nr.: ZN11151.01.01

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**Manufacturer**

**Power-One Italy S.P.A.**

Via S. Giorgio, 642; 52028 – Terranuova Bracciolini (AR), Italy

**Quality management system:** ISO 9001:2008, valid until 23.04.2016

**Description**

**Type :** **PVI-67.0-400.0-TL-DE family**

PVI-67.0-TL-DE; PVI-134.0-TL-DE; PVI-200.0-TL-DE;

PVI-267.0-TL-DE; PVI-334.0-TL-DE; PVI-400.0-TL-DE

**Rated active power:** 67 kW; 134 kW; 200 kW; 267 kW; 334 kW; 400 kW

**Apparent power:** 74.4 kVA; 148.7 kVA; 223.2 kVA; 297.6 kVA; 372.0 kVA; 446.4 kVA

**Rated AC voltage / -frequency:** 380 V / 50 Hz

**Software version:** DSP: ≥EA02 ;  $\mu$ P: ≥FA02

**Topics of Assessment**

- Power quality
- Active and reactive power regulation
- Reactive power capacity
- Dynamic grid support
- Grid protection
- Computer model validation

**Guidelines**

BDEW guideline "Generation Plant connected to the Medium-Voltage Network 2008";  
/BDEW-MSR/ supplement of April 2013 /BDEW-MSR E2013/;  
/FGW TR8/ Rev. 05; /FGW TR4/ Rev. 05; /FGW TR3/ Rev. 22, Rev 23.

**Basis of Assessment**

Appendix 1 of generation unit type certificate ZN11151.01.01 consists of 60 pages.

A power plant certificate can be proclaimed only with this complete appendix.

This appendix refers to the utilised manufacturer's documentation.

Model validation report ZN11151.02.01

**Declaration/ Validity**

The experts of the certification body confirm with their signature that the listed generation units are capable of fulfilling the requirements according to the specified guidelines above, with the following exceptions/limitations: The unit's grid protection functionality does not fulfil the requirements of the BDEW guideline. This certificate will accompany these generation units and is valid until 18.12.2018, assuming that no significant modifications to the generation units are performed and that the manufacturer's quality management system is current.



Varel, 19.12.2013

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