

Type Certificate for Generation Unit

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 (-DE), 400 V (-TL-DE)/ 50 Hz Software version: DSP: ≥EF11 or AF32; µP: ≥FF11 or BF09
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 2011 /BDEW-MSR E2011/; /FGW TR8/ Rev. 05; /FGW TR4/ Rev. 05; /FGW TR3/ Rev. 21.
Basis for Assessment	Appendix 1 of generation unit type certificate ZN11153.01.01 consists of 55 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 ZN11153.02.01
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. This certificate will accompany these generation units and is valid until 24.04.2017, assuming that no significant modifications at the generation units are performed and that the manufacturer’s quality management system is active.



Varel, 25.04.2012



Dipl.-Ing. K. Küch
(Expert in charge)



Dipl.-Ing. A. Lorenz
(Expert in charge)



Dipl.-Ing. (FH) R. Klösse
(Executive expert of
certification body)

