


VDE-AR-N 4105 Certificate of conformity for power generation units		
Manufacturer	Power-One Italy S.p.A. Via S. Giorgio, 642 52028 Terranuova Bracciolini (AR) - Italy	
Type of power generation unit	Grid Tied Solar Inverter	
Assessment values	Max. active power P_{Emax}	See Table 1
	Max. apparent power S_{Emax}	See Table 1
	Rated voltage	See Table 1
Network connection rule	<p align="center">VDE-AR-N 4105 “Power generation systems connected to the low-voltage network” Technical minimum requirements for connection and parallel operation of power generation systems connected to the low-voltage network</p>	
The power generation units listed in Table 1 meets the requirements of VDE-AR-N 4105.		
<ul style="list-style-type: none"> - All requirements of VDE-AR-N 4105 are fulfilled and have been confirmed via type tests conducted in Power One and witnessed by an accredited certification institute. - The conformity is ensured for all products with model name and firmware version as listed in Table 1. 		
Terranuova Bracciolini, 2018 January 15  <hr/> Gianfranco Iannuzzi (Coordinator Product Safety)		
This certificate of conformity of two pages shall not be used in parts.		
<p align="center">Power-One Italy S.p.a. Via San Giorgio, 642 – 52028 Terranuova Bracciolini – Arezzo – Italy Web Site: www.abb.com/solarinverters</p>		

Inverter models	Maximum active power P_{Emax}	Maximum apparent power S_{Emax}	AC reference voltage	Fulfill VDE-AR-N 4105 requirements from firmware version
UNO-DM-5.0-TL-PLUS-XYK-JVN	5.0 kW	5.0 kVA	230 V	Not less than 1705C (Standard Selection: VDE 4105)
UNO-DM-4.6-TL-PLUS-XYK-JVN	4.6 kW	4.6 kVA	230 V	Not less than 1705C (Standard Selection: VDE 4105)
UNO-DM-4.0-TL-PLUS-XYK-JVN	4.0 kW	4.0 kVA	230 V	Not less than 1705C (Standard Selection: VDE 4105)
UNO-DM-3.3-TL-PLUS-XYK-JVN	3.3 kW	3.3 kVA	230 V	Not less than 1705C (Standard Selection: VDE 4105)
UNO-DM-2.0-TL-PLUS-XYK-JVN	2.0 kW	2.0 kVA	230 V	Not less than 1705C (Standard Selection: VDE 4105)
UNO-DM-1.2-TL-PLUS-XYK-JVN	1.2 kW	1.2 kVA	230 V	Not less than 1705C (Standard Selection: VDE 4105)

Table 1
Power-One Grid Tied Solar Inverters in compliance with VDE-AR-N 4105