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	Solar / WIND string 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	**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

The power generation units listed in Table 1 meets the requirements of VDE-AR-N 4105.

- 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 only valid for all products with firmware version as listed in Table 1.

Terranuova Bracciolini, 30.10.2015

Dr. Gianfranco Iannuzzi
(Coordinator Product Safety)

This certificate of conformity of two pages shall not be used in parts.

Power-One Italy S.p.A.
A member of the ABB Group

Capitale Sociale € 22.000.000 int. vers.
C.C.I.A.A. Arezzo n. 101220
Reg. Imp. E Cod. Fisc. 09286180154
Partita I.V.A. 01574720510

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VDE-AR-N 4105 Certificate of conformity for power generation units

Inverter model	Maximum active power P_{Emax}	Maximum apparent power S_{Emax}	AC reference voltage	Fulfill VDE-AR-N 4105 requirements from firmware version
UNO-2.0-I-OUTD-Y(*) UNO-2.0-I-OUTD-W	2.0 kW	no reactive power management	230 V	A.5.7.E ; B.0.9.F ; C.0.7.3
UNO-2.5-I-OUTD-Y(*) UNO-2.5-I-OUTD-W	2.5 kW	no reactive power management	230 V	A.5.7.E ; B.0.9.F ; C.0.7.3
PVI-3.0-TL-OUTD-Y(*) PVI-3.0-TL-OUTD-W	3.0 kW	3.33 kVA	230 V	A.3.0.1 ; B.3.0.B ; C.0.3.3
REACT-UNO-3.6-TL	3.6 kW	4.0 kVA	230 V	Update ver.1518C
PVI-3.6-TL-OUTD-Y(*) PVI-3.6-TL-OUTD-W	3.6 kW	4.00 kVA	230 V	A.3.0.1 ; B.3.0.B ; C.0.3.3
PVI-3.8-I-OUTD-Y(*)	3.8 kW	4.22 kVA	230 V	A.3.7.4 ; B.A.2.E ; C.2.1.E
PVI-4.2-TL-OUTD-Y(*) PVI-4.2-TL-OUTD-W	4.2 kW	4.67 kVA	230 V	A.3.0.1 ; B.3.0.B ; C.0.3.3
REACT-UNO-4.6-TL	4.6 kW	5.1 kVA	230 V	Update ver.1518C
PVI-4.6-I-OUTD-Y(*)	4.6 kW	5.11 kVA	230 V	A.3.7.4 ; B.A.2.E ; C.2.1.E
PVI-6.0-TL-OUTD-Y(**)	6.0 kW	6.7 kVA	230 / 400 V	A.0.9.6; B.1.4.F; C.0.0.6
PVI-8.0-TL-OUTD-Y(**)	8.0 kW	8.9 kVA	230 / 400 V	A.0.9.6; B.1.4.F; C.0.0.6
PVI-10.0-TL-OUTD-Y(**)	10.0 kW	11.5 kVA	230 / 400 V	A.0.9.6; B.1.4.F; C.0.0.6
PVI-12.5-TL-OUTD-Y(**) PVI-12.5-TL-OUTD-W	12.5 kW	13.8 kVA	230 / 400 V	A.0.9.6; B.1.4.F; C.0.0.6
PVI-10.0-OUTD-Y-DE(**)	10.0 kW	11.1 kVA	230 / 400 V	A.0.9.6; B.1.4.F; C.0.0.6
PVI-12.5-OUTD-Y-DE(**) PVI-12.5-OUTD-DE-W	12.5 kW	13.8 kVA	230 / 400 V	A.0.9.6; B.1.4.F; C.0.0.6
PVI-10.0-I-OUTD-Y-400(*)	10.0 kW	11.1 kVA	230 / 400 V	A.5.1.C; B.4.4.0; C.2.2.1
PVI-12.0-I-OUTD-Y-400(*)	12.0 kW	13.3 kVA	230 / 400 V	A.5.1.C; B.4.4.0; C.2.2.1
TRIO-5.8-TL-OUTD-Y(*)-400	5.8 kW	5.8 kVA	230 / 400 V	Update ver.1328C
TRIO-7.5-TL-OUTD-Y(*)-400	7.5 kW	7.5 kVA	230 / 400 V	Update ver.1328C
TRIO-8.5-TL-OUTD-Y(*)-400	8.5 kW	8.5 kVA	230 / 400 V	Update ver.1328C
TRIO-20.0-TL-OUTD-400-W	20.0 kW	22.2 kVA	230 / 400 V	A.0.3.E; B.0.F.D; C.1.2.1.
TRIO-20.0-TL-OUTD-Y-400(***)	20.0 kW	22.2 kVA	230 / 400 V	A.0.3.7; B.0.C.4; C.0.9.F
TRIO-27.6-TL-OUTD-400-W	27.6 kW	30.0 kVA	230 / 400 V	A.0.3.E; B.0.F.D; C.1.2.1.
TRIO-27.6-TL-OUTD-Y-400(***)	27.6 kW	30.0 kVA	230 / 400 V	A.0.3.7; B.0.C.4 ; C.0.9.F
PRO-33-TL-OUTD-400 PRO-33-TL-OUTD-S-400 PRO-33-TL-OUTD-SX-400	33 kW	33 kVA	230 / 400 V	KLUFO v 1.61

Table 1: Power One String inverters in compliance with VDE-AR-N 4105.

Notes:

(*) where Y may be "blank" or "S"

(**) where Y may be "blank" or "S" or "DS" or "DSC" or "FS" or "FSC"

(***) where Y may be "blank" or "S2" or "S2X" or "S2F" or "S1J" or "S2J"

the letter "-W" identifies the wind inverter version

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