Declaration regarding the use of the Padcon Float Controller SI

ABB/Power-One Italy S.p.A declares that the transformer-less string inverters listed below in TABLE A are compatible for the use in combination with the device manufactured by Padcon GmbH, model: **Float Controller SI**, to prevent/reduce the effects of the PID (Potential induced degradation) in the photovoltaic panels.

TABLE A

Type	Model	Nominal AC Power [kW]	Max permitted voltage setting, between PV generator's poles and ground [VDC]
Single-phase TL inverter	UNO-2.0-TL-OUTD-(1)	2	600
	UNO-3.0-TL-OUTD-(1)	3	600
	UNO-3.6-TL-OUTD-(1)	3.6	850
	UNO-4.2-TL-OUTD-(1)	4.2	850
	PVI-3.0-OUTD-(1)	3	600
	PVI-3.0-TL-OUTD-(1)	3	600
	PVI-3.6-OUTD-(1)	3.6	600
	PVI-3.6-TL-OUTD-(1)	3.6	600
	PVI-4.2-OUTD-(1)	4.2	600
	PVI-4.2-TL-OUTD-(1)	4.2	600
	PVI- 5000-TL-OUTD-(1)	5	600
	PVI-6000-TL-OUTD-(1)	6	600
Tri-phase TL Inverter	TRIO-5.8-TL-OUT-(1)	5.8	1000
	TRIO-7.5-TL-OUT-(1)	7.5	1000
	TRIO-8.5-TL-OUT-(1)	8.5	1000
	PVI-6.0-OUTD-(1)	6	900
	PVI-8.0-OUTD-(1)	8	900
	PVI-10.0-OUTD-(1)	10	900
	PVI-12.5-OUTD-(1)	12.5	900
	PVI-6.0-TL-OUTD-(1)	6	900
	PVI-8.0-TL-OUTD-(1)	8	900
	PVI-10.0-TL-OUTD-(1)	10	900
	PVI-12.5-TL-OUTD-(1)	12.5	900
	TRIO-20.0-TL-OUTD-(1)	20	1000
	TRIO-27.6-TL-OUTD-(1)	27.6	1000
	PRO-33.0-TL-OUTD-(1)	33.0	1100
	TRIO-50 (1)	50.0	1000

(1) *Every possible model variant*

ABB/Power-One Italy S.p.A further declares that by following the Installation and Operation instructions of the inverter and of the Float Controller SI, the combined operation of the 2 devices:

- Will not adversely affect the inverter operation
- Will not affect the inverter standard warranty

IMPORTANT NOTES:

- ABB/Power One Italy declines any responsibility for any direct or indirect damage to the installed equipment (inverters included) that may be caused by a failure or malfunction of the Float Controller SI.
- If the inverters are programmed to remain connected to grid during the night (using special settings) it must be taken in account that each Float Controller SI installed may generate a leakage current to ground which may flow through external RCDs placed in the AC lines of the inverters.

ABB/Power One Italy S.p.A. further declines any responsibility in regards to the effectiveness of the Float Controller SI with respect to PID effect mitigation. This shall remain under the sole responsibility of the PV module manufacturer and Padcon GmbH.

Terranuova Bracciolini (Arezzo - Italy)

December 5th, 2016

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