

Declaration regarding the use of the Iumen PID Box

ABB/Power-One Italy S.p.A declares that the transformer-less string inverters listed below are compatible for the use in combination with the PID Box manufactured by Iumen BVBA, model:

- PID BOX, PID BOX MINI

Type	Model ⁽¹⁾	Rated AC Power [kW]	No. of MPPT	Max DC Input Current/MPPT [A] ⁽²⁾	PID BOX
Single-phase TL inverter	PVI-2000, PVI-2000-OUTD	2.0	1	10	PID BOX MINI
	PVI-3.0-OUTD, PVI-3.0-TL-OUTD	3.0	2	10	PID BOX MINI
	PVI-3600, PVI-3600-OUTD	3.6	2	10	PID BOX MINI
	PVI-3.6-OUTD, PVI-3.6-TL-OUTD	3.6	2	16	PID BOX MINI ⁽³⁾
	PVI-4.2-OUTD, PVI-4.2-TL-OUTD	4.2	2	16	PID BOX MINI ⁽³⁾
	PVI-5000-OUTD, PVI-5000-TL-OUTD	5.0	2	18	PID BOX MINI ⁽³⁾
	PVI-6000-OUTD, PVI-6000-TL-OUTD	6.0	2	18	PID BOX MINI ⁽³⁾
	TRIO-5.8-TL-OUTD	5.8	1	18.9	PID BOX MINI ⁽³⁾
	TRIO-7.5-TL-OUTD	7.5	2	15	PID BOX MINI ⁽³⁾
	TRIO-8.5-TL-OUTD	8.5	2	15	PID BOX MINI ⁽³⁾
	PVI-6.0-OUTD	6.0	2	17	PID BOX MINI ⁽³⁾
	PVI-8.0-OUTD	8.0	2	17	PID BOX MINI ⁽³⁾
	PVI-10.0-OUTD	10.0	2	17	PID BOX MINI ⁽³⁾
	PVI-12.5-OUTD	12.5	2	18	PID BOX MINI ⁽³⁾
	PVI-10.0-TL-OUTD	10.0	2	17	PID BOX MINI ⁽³⁾
	PVI-12.5-TL-OUTD	12.5	2	18	PID BOX MINI ⁽³⁾
	TRIO-20.0-TL-OUTD	20.0	2	25	PID BOX MINI PID BOX ⁽⁴⁾
	TRIO-27.6-TL-OUTD	27.6	2	32	PID BOX MINI PID BOX ⁽⁴⁾
	TRIO-27.6-TL-OUTD/IL25K	25.0	2	32	PID BOX MINI PID BOX ⁽⁴⁾
	PRO-33.0-TL	33.0	1	58	PID BOX MINI PID BOX

- (1) Every possible model variant;
- (2) Select from the last column the appropriate PID BOX with current rating higher than max Isc current of the PV array connected to PID box independent inputs
- (3) In case of parallel MPPT configuration, the parallel connection of the arrays shall be carried out inside of the inverter as specified in the installation manual;
- (4) One PID BOX can be used in case of parallel MPPT configuration, while 2 PID BOXES or 1 PID BOX MINI (with 2 Independent inputs) shall be installed when inverters are operated with independent MPPTs.

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

- Will not adversely affect the inverter operation or energy harvest
- Will not affect the inverter standard warranty

IMPORTANT NOTES:

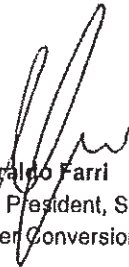
- PID BOX or PID BOX MINI shall be protected against short circuits and overcurrents on each input that is intended to be connected to the PV generator and to all outputs connected to the inverter;
- ABB/Power One Italy declines any responsibility for any direct or indirect damage to the installed equipment (incl. inverters) that may be caused by a failure or malfunction of the PID BOX or PID BOX MINI.

ABB/Power One Italy S.p.A. further declines any responsibility in regards to the effectiveness of the PID BOX or PID BOX MINI with respect to PID effect mitigation. This shall remain under the sole responsibility of the module manufacturer and Illumen BVBA.

Terranuova Bracciolini
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