

## DECLARATION OF CONFORMITY EN 50438:2007 (Sweden)

Power-One declares under our sole responsibility that the inverters listed below fulfill the requirements of the European standard EN 50438:2007.

Type	Model	Firmware (update ver.)	Serial Number which implements the standard and does not require firmware updating	Selection of the standard EN 50438
<i>Isolated triphase inverter</i>	PVI-10.0-I-OUTD-400	52713 (or higher (*))	1327390855 (or higher(*))	By rotary switches ( position 2-5)
	PVI-10.0-I-OUTD-400			
	PVI-12.0-I-OUTD-400			
	PVI-12.0-I-OUTD-400			
<i>Transformerless triphase inverter</i>	TRIO-20.0-TL-OUTD-400	52313 (or higher (*))	132429908020 (or higher(*))	By rotary switches ( position 2-5)
	TRIO-20.0-TL-OUTD-S2-400			
	TRIO-20.0-TL-OUTD-S2X-400			
	TRIO-20.0-TL-OUTD-S2F-400			
	TRIO-20.0-TL-OUTD-S1J-400			
	TRIO-20.0-TL-OUTD-S2J-400			
	TRIO-27.6-TL-OUTD-400			
	TRIO-27.6-TL-OUTD-S2-400			
	TRIO-27.6-TL-OUTD-S2X-400			
	TRIO-27.6-TL-OUTD-S2F-400			
	TRIO-27.6-TL-OUTD-S1J-400			
	TRIO-27.6-TL-OUTD-S2J-400			

Note(\*): in case of inverter with older firmware or older Serial Number it is necessary to upgrade its firmware using the software MANAGER LITE.

Type	Model	Firmware Micro	Serial Number which implements the standard	Selection of the standard EN 50438
<i>Transformerless triphase inverter</i>	PVI-6.0-TL-OUTD-(**)	C026	1325281206 (or higher)	By Display ( EN50438)
	PVI-8.0-TL-OUTD-(**)			
	PVI-10.0-TL-OUTD-(**)			
	PVI-12.5-TL-OUTD-(**)			
<i>Transformerless Single-phase inverter</i>	PVI-3.0-TL-OUTD-(**)	C035	1337892729 (or higher)	By Display ( EN50438)
	PVI-3.6-TL-OUTD-(**)	C035	1337905892 (or higher)	By Display ( EN50438)
	PVI-4.2-TL-OUTD-(**)			
	PVI-5000-TL-OUTD-(**)			
	PVI-5000-TL-OUTD-(**)			

Note(\*\*):every possible model variant

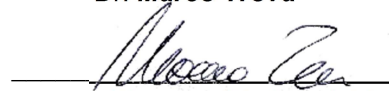
According to EN 50438:2007 Annex A, the following grid protection settings are required for the automatic disconnection device between a generator and the public low-voltage grid in Sweden:

- ) Under voltage limit (stage 2 / U<) : 207 Vac with a clearance time of 60 seconds
- ) Under voltage limit (stage 1 / U<<) : 196 Vac with a clearance time of 0.2 seconds
- ) Over voltage limit (stage 2 / U>) : 243 Vac with a clearance time of 60 seconds
- ) Over voltage limit (stage 1 / U>>) : 264 Vac with a clearance time of 0.2 seconds
- ) Under frequency limit ( F<) : 47.0 Hz Vac with a clearance time of 0.5 seconds
- ) Over frequency limit ( F>) : 51.0 Hz Vac with a clearance time of 0.5 seconds
- ) Under frequency limit ( F>>) : 47.0 Hz Vac with a clearance time of 0.5 seconds
- ) Over frequency limit ( F<<) : 51.0 Hz Vac with a clearance time of 0.5 seconds

The automatic disconnection device is an integral part of the inverters listed above and the protection settings applicable for Sweden can be accomplished by selecting the Country-Code: "EN50438" and adjusting the above deviations as described inside the installation manual of the inverters, which can be downloaded at Power-One site: <http://it.power-one.com/renewable-energy>

Terranuova Bracciolini; September 30th / 2013.

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