


Manufacturer Declaration

We hereby to declare that all products supplied by FOXESS below fulfil all the requirements, which are postulated by the Greek Energy Supply Industry, including the Anti Islanding Protection.

1. The disconnection and connection of the inverter to the point of power injection is done with internal relays which are controlled by a software which will initiate:
 - a. an automatic (re-)connection to the public grid provided that voltage and frequency are within the range of $0,8 \times V_{nom} - 1,15 \times V_{nom}$ and $49.5 \text{ Hz} - 50.5 \text{ Hz}$.
 - b. an immediate ($< 0,5 \text{ s}$) disconnection if the voltage, the frequency or both are not within these limits.
 - c. the software with its adjustments can not be accessed by the end-user.
2. The connection time and the reconnection time after clearance of grid failure is not shorter than 180s.
3. The injected DC current into the grid is $< 0,5\%$ of nominal current.
4. The total harmonic distortion of the output current (THDi) is lower than 5%.
5. In addition to the passive protection limits (voltage and frequency) an Active Anti Islanding method according to VDE 0126-1-1 is implemented. The pattern detection method injects reactive current pulses and analyses the resulting frequency behavior, The Anti Islanding protection trip time is < 5 seconds.

Inverter module	F3000/F3600/F4600/F5000/F5300/F6000 S700/S1000/S1500/S2000/S2500/S3000/S3300 T3/T4/T5/T6/T8/T10/T12/T15/T17/T20/T25		
PGM technology	Grid-tied photovoltaic inverter		
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Signed		On behalf of	FOXESS CO., LTD.