if you interface easYgen-3x00-y to 3rd party AVRs make sure that they are not backfiring

Justin Schneider - 2026-07-27 - easYgen-3000XT

Some AVRs on the market have the negative behavior to backfire on easYgen-3000 Voltage regulation PID output. easYgen-3000 controls Speed& voltage PID outputs are galvanic isolated

Some AVR manuals indication an galvanic isolation of 500VAC like this PDF.

https://www.stamford-avk.com/sites/stamfordavk/files/2021-01/STAMFORD-MX321-Automatic-Voltage-Regulator.pdf

For speed controls and ECUs this behavior is not applicable as those are 12/24VDC powered.

Technical Specification of old easYgen-3x00 analog PID outputs.

Technical Specification of new easYgen-3x00XT (no external galvanic isolation required) having higher galvanic isolation level: