



Knowledgebase > easYgen-3000XT > if you interface easYgen-3x00-y to 3rd party AVRs make sure that they are not backfiring

---

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

Clemens - 2024-09-27 - 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 indicate a galvanic isolation of 500VAC like this PDF.

<https://www.stamford-avk.com/sites/stamfordavk/files/2021-01/STAMFORD-MX321-Automati-c-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:

