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

Justin Schneider - 2026-07-27 - [easYgen-3000](#)

Some AVR's 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-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:

