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Can I use easYgen controls for induction / asynchronous generator application?

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

Induction or so called asynchronous generators providing no AC voltage as long as they aren't connected to the grid.

The EPU-100 (Electronic Pickup Unit) receives electrical signals and converts it into a "MPU signal". This information about the speed of rotation of the asynchronous generator can be fed into a genset control (for example an easYgen). So the genset control can decide for connecting the asynchronous generator to the mains/utility. Woodward's EPU-100 is particularly suitable to work with the very small voltage (as low as 0.5 Vac and as high as 600 Vac) an asynchronous generator produces until its breaker is closed.

EPU-100 cannot be used together with obsolete AMG3S, AMG3S, GCP-21/GCP22, MFR2S controls

[EPU-100 Product Specification](#)

Woodward's EPU-100 gets your asynchronous generator online—quick and easy!

This robust plug and play electronic device measures the small magnitude remanence voltage and converts it to MPU pulses. Together with our proven easYgen genset control series you gain a complete control solution for your asynchronous application.

BENEFITS

- Simple plug and play converter
- Seamless integration with Woodward genset controls
- Easy and convenient to install, operate and diagnose
- No wearout, no maintenance
- Special asynchron kits with our easYgen series available

APPLICATION

