

# Generator Protection Unit, GPU-3 Hydro

## Full generator protection package



Easy to operate and configure, DEIF's Generator Protection Unit (GPU-3 Hydro) is an ideal controller for PLC-based hydro power systems.

The GPU-3 Hydro offers comprehensive generator protection and synchronisation. Serial communication enables easy interfacing with PLCs, SCADA systems and more, and the unit features all necessary 3-phase measuring circuits and displays all values and alarms on a quality LCD screen.

For start/stop and protection functionalities, add the GPU-3 Hydro turbine control option, a turbine interface card with separate power supply and independent microprocessor. In cases of GPU-3 Hydro main processor failure, the engine interface card will activate its back-up mode to ensure uninterrupted turbine supervision and automatic turbine shutdown in case of shutdown alarm.

With free software download and upgrade at [www.deif.com](http://www.deif.com), it is possible to customise the application to suit your needs exactly: dedicate specific functions or logic conditions to different inputs and outputs and tune all sequences according to your requirements.

### GPU-3 Hydro features

- ▶ Generator/busbar protection
- ▶ Synchronisation
- ▶ Multiple display units and operator panels possible
- ▶ Turbine protection with back-up on shut-down channels
- ▶ Turbine control and communication

### GPU-3 Hydro type approvals

