

## Features

- Volts per Hz characteristic to protect prime movers on large step loads.
- Remote adjustment facilities.
- On board field output fuse.
- Open PC board construction for economic repairability.
- Improved reliability by use of PC board plated through hole and underrated component selection.
- Practical voltage adjustment range.
- Field excitation powered from the sensing voltage input
- On board potentiometers for :-

- Voltage.

- Stability coarse and fine

- Underspeed / voltage droop point.

- Field excitation overload.

- On board LED indication of underspeed operation.
- Replaces Stamford types

E000-24600,

E000-26000,

E450-13900.

- Wide stability adjustment range for reducing light flicker.
- Quad droop input facilities.

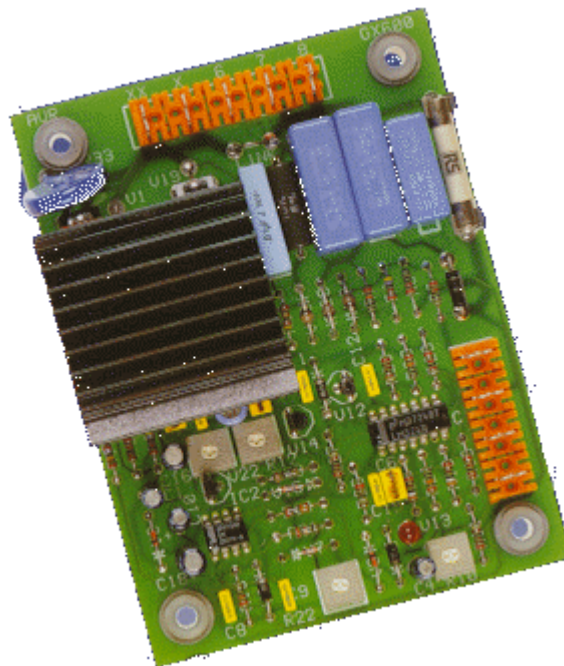
GENAUST POWER & WATER



## Automatic Voltage Regulator

### Model GX600

The GX600 is a solid state device designed to give accurate and stable voltage regulation of brushless AC alternators regardless of prime mover type. Directly replaces the Stamford Series 6 regulators but will also electrically replace almost all known voltage regulators. It is suitable for both 3 $\phi$  and 1 $\phi$  machines with either 50 or 60Hz outputs. It is especially useful on the 1 $\phi$  machines in reducing light flicker due to its increased stability adjustment range.

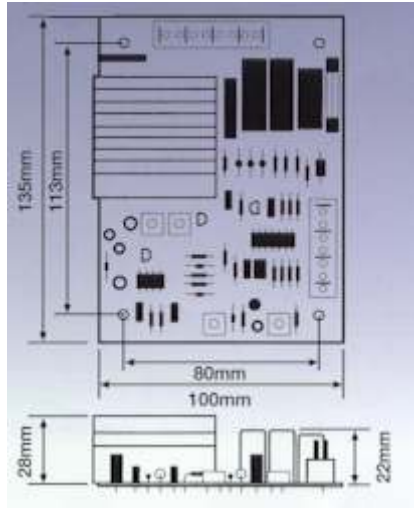


## Electrical

### Specifications

- Voltage sensing ranges 170 to 270Vac.
- Voltage sensing frequency 50 or 60Hz.
- On board voltage adjustment range + - 10%.
- Maximum field current 10A.
- Maximum field voltage 135Vdc.
- Field excitation switching SCR 25A 800V.
- Regulation + - 1%, with engine governing to class A ISO3046.
- Underspeed adjustment range 10 - 55Hz.
- Underspeed shutdown time delay 15 - 20secs. approximately.
- Minimum residual voltage for reliable excitation 3/5 volts.
- Minimum field resistance required 3/5 ohms.

**Note : Specifications can change without notice.**



**Mechanical Specifications**

**Weight** 0.2kg.

**Operating Environment**

**Temperature**

-10°C to +70°C.

**Vibration**

4gs. from 20 - 500 Hz

**Shock**

1M drop test

**Mounting**

Open PC board for internal machine or switchboard mounting.

