

Three-phase - 'ORION Y' (5kVA to 260kVA)

(independent phase voltage control)

SELECTABLE OUTPUT VOLTAGE	220 – 230 – 240V (L – N) 380 - 400 - 415V (L – L)
FREQUENCY	50/60Hz ±5%
ADMITTED LOAD VARIATION	up to 100%
ADMITTED LOAD UNBALANCE	up to 100%
COOLING	Natural air (Aided over 45°C from 60kVA ±15)
AMBIENT TEMPERATURE	-25/+45 °C
STORAGE TEMPERATURE	-25/+60°C
RELATIVE HUMIDITY	95%
ADMITTED OVERLOAD	200 % 2min
COLOUR	RAL 7035
PROTECTION	IP 21
INSTALLATION	Indoor

Further details in the technical data tables



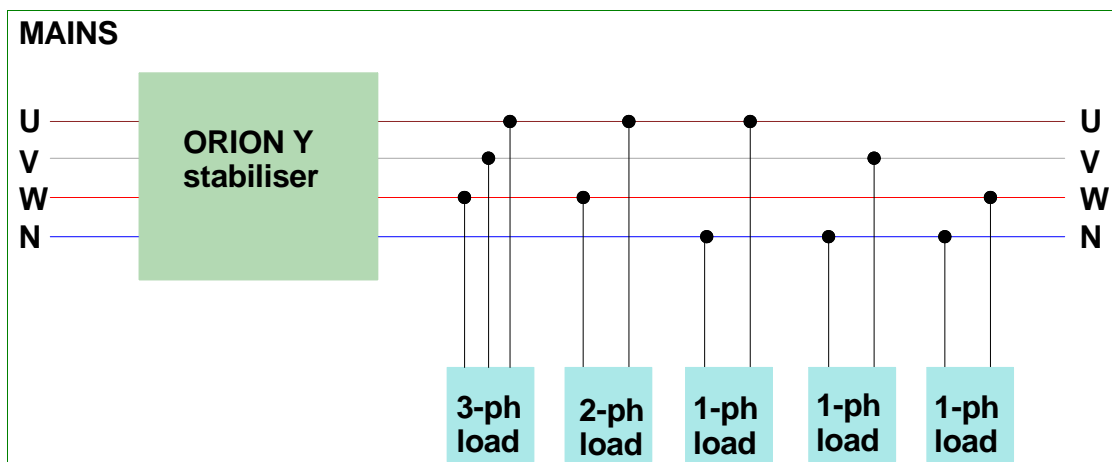
Orion Y stabilizers



ORION stabilisers can be chosen to match different ranges of input voltage fluctuation ($\pm 15/\pm 20\%$; $\pm 25/\pm 30\%$; $+15/-25\%$; $+15/-35\%$; $+15/-45\%$)

Standard models offer a double input connection so that with the same unit two different input variations ($\pm 15/\pm 20\%$ or $\pm 25/\pm 30\%$) can be dealt with.

The regulation in the ORION Y stabilisers is independent on each phase. These stabilisers are used with three-phase loads and single-phase loads with 100% unbalance with unbalance input rated voltage and are suitable even in case of non-symmetric mains. In this configuration, **the voltage stabiliser requires the neutral wire presence**. It can also operate without neutral wire by adding a device able to generate it (Δ/Y_n isolating transformer or neutral inductance).



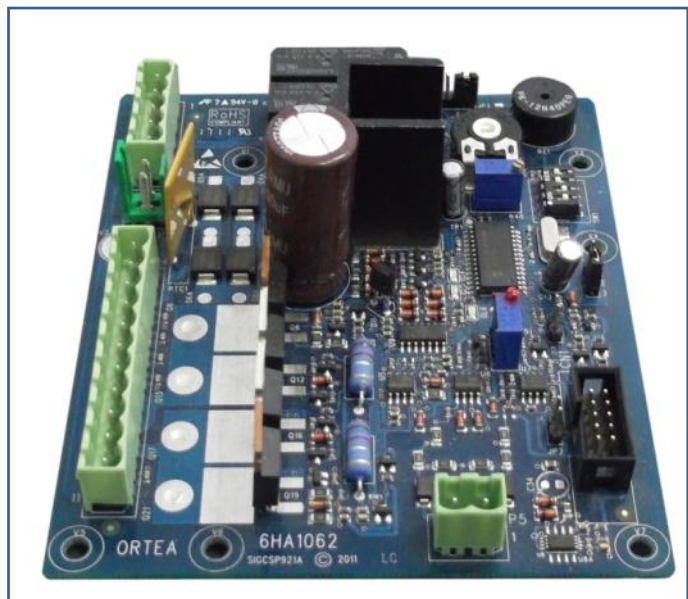
Every stabiliser belonging to this range is equipped with the same control board used on VEGA and ANTARES models, thus simplifying maintenance operations and spare parts storage. Up to 45kVA, the stabilisers are equipped with wheels for easy handling.

Automatic circuit breakers are provided on the regulation circuit to protect against overload and short circuit on the voltage regulator. The auxiliary circuit is protected by fuses.

The measuring instrumentation for the ORION Y stabilisers is installed on the cabinet door and consists of **one multi-task digital network analyser**. Such instrument is able to provide with information regarding the status of the line downstream the voltage stabiliser, such as phase and linked voltages, current, power factor, active power, apparent power, reactive power, etc.

By means of a changeover contact, the stabiliser control card allows for the acoustic signalling of the following alarms: minimum voltage, maximum voltage, internal overheating and overload on the voltage regulator.

Voltage control and stabilisation, performed on the true RMS value, are managed by the microprocessor.



ORION Y control card