

Three Phase AC Voltage Stabiliser

Stabil-3

Machines, pumps, refrigeration equipment and VFDs, VSDs require stable AC voltages to work.

Stabil-3 is a reliable three-phase voltage stabiliser for workshop, farm and factory.

The incoming supply voltage may vary widely, the stabiliser output remains absolutely stable.

A farm at the end of a power line may receive low voltages at times.

A property in a weak network suffers when other customers use a high amount of power.

Voltages near a power source may be too high at times and the electricity meter runs faster.

Stabil-3 contains no servos, no rotating parts.

Voltage stabilisation is performed reliably by standard transformers without taps.

3x 400V between phases is equivalent to 3x 230V phase to neutral.

Stabilisation is independent per phase. Versions for different power requirements:

Stabil-3-8	8kW	3x400V	3x 12A
Stabil-3-16	16kW	3x400V	3x 24A
Stabil-3-24	24kW	3x400V	3x 36A
Stabil-3-32	32kW	3x400V	3x 48A
Stabil-3-48	48kW	3x400V	3x 72A
Stabil-3-64	64kW	3x400V	3x 96A



For precise stabilisation, the AC input voltage can be 42V higher or lower per phase than the stabilised output. The output voltage per phase remains stable at 230V \pm 3% per phase.

The output voltage per phase is user adjustable per phase to 220V, 230V or 240V.

Stabil-3 is compatible with all loads: Motors, heaters, inverters, machines. It computes the necessary correction per phase and selects standard transformers to adjust the voltage.

Maximum continuous power can be used continuously. Overloads in case of starting motors can be 300% for up to ten seconds. No tapped transformers, no servos, no switches in the power path.

Efficiency: 98%.

Operating ambient temperature: - 15 to + 45 degrees C.

Dimensions: W410 x L790 x H 370 mm.

Weight: 80kg- 190kg (units >16kW come in three standard enclosures)

IP20: Use it in a dry and ventilated room.