

AC Voltage Stabiliser

QuadCore series 1

When the mains voltage is constantly too low or too high or when it fluctuates, a QuadCore 1 will reliably stabilise the single phase voltage with high precision.

QuadCore is compatible with all loads: Motors, heaters, inverters, machines.
Reliable thyristors and transformers stabilise over- and under-voltage.

No switching in the power path, no switching in the sine wave.
Smooth and stress-free transformer selections at zero-crossing moments.



QuadCore 110 for 10kW, QuadCore 120 for 20kW and QuadCore 140 for 40kW single phase.

Duty cycle: 100% for maximum continuous power.

Overloads: 150% for 20 seconds, 300% for 5 seconds.

Output is any voltage between 220V and 240V - +1.5%, fine adjustable with a potentiometer.

Efficiency is 98%.

Operating ambient temperatures are -15 to 45 degrees C.

IP 20: To be used in a dry and ventilated room.

Dimensions are W410 x L790 x H 370 mm. Powder coating in satin black.

Weight of QuadCores series 1: 65kg, 80kg, 105kg.

Maintenance-free voltage regulation without moving parts.

No tapped transformers, no servos, no need for shielding and filters.

Power is available one minute after power-on.

Single phase output currents are 45A, 90A and 180A.

Bypass solutions for the case of a blown fuse:

Flexible: A single phase plug, to be connected either to the QuadCore output or to Mains power.

Fixed: A changeover switch: Manual or automatic.

