



ARIET

AVR-45KVA

**Automatic three-phase
voltage stabilizer**



**Office and server
equipment**



**Medical facilities
and laboratories**



**Telecommunications
systems**

The automatic three-phase servo-driven voltage stabilizer is designed to maintain a stable output voltage and provides independent regulation of each phase to compensate for network imbalances and instability.

Designed for use in facilities with increased power quality requirements, where high stabilization accuracy, resistance to phase imbalance, and operation with unstable input voltage are critical.

It is suitable for industrial, commercial, and infrastructure systems, providing reliable power to equipment in single-phase and three-phase networks.



SCENARIOS

Industry and manufacturing

Commercial real estate and building engineering

HoReCa and Refrigeration

Water supply, housing and communal services and infrastructure

Agro-industrial complex and agriculture

Construction and temporary sites

BENEFITS

A stable 380 V supply with a floating input ensures proper equipment operation and reduces the risk of shutdowns/failures due to voltage sags or surges.

Independent regulation of each phase effectively compensates for phase imbalance and uneven load, improving power quality for mixed consumers.

Technical specifications

MODEL	AVR-45KVA
Apparent Power	45kVA
Active Power	36kW
Input	
Input Range	220~415V
Phase	3P+N+G или 3P+G
Line Voltage Range	240-450VAC(380V)
Input Frequency	50Hz/60Hz
Output	
Output Range	220~415V
Phase	3P+N+G или 3P+G
Precision	2%
Output Frequency	50Hz
Power Factor	1.0
Waveform Distortion	Same as Input Waveform
Efficiency	≤98% (at full load)
Bypass	Mechanical
Environment	
Operating Temperature	-5~+40 °C
Relative Humidity	no more than 80%, non-condensing
Noise	45 dB at 70% load, 55 dB at 100% load (within one meter)
Altitude	no more than 1500 m
Protection	overload/high temperature/high voltage/short circuit/low
Physical parameters	
Dimensions (W*D*H)mm	535x515x973
Weight (kg)	124