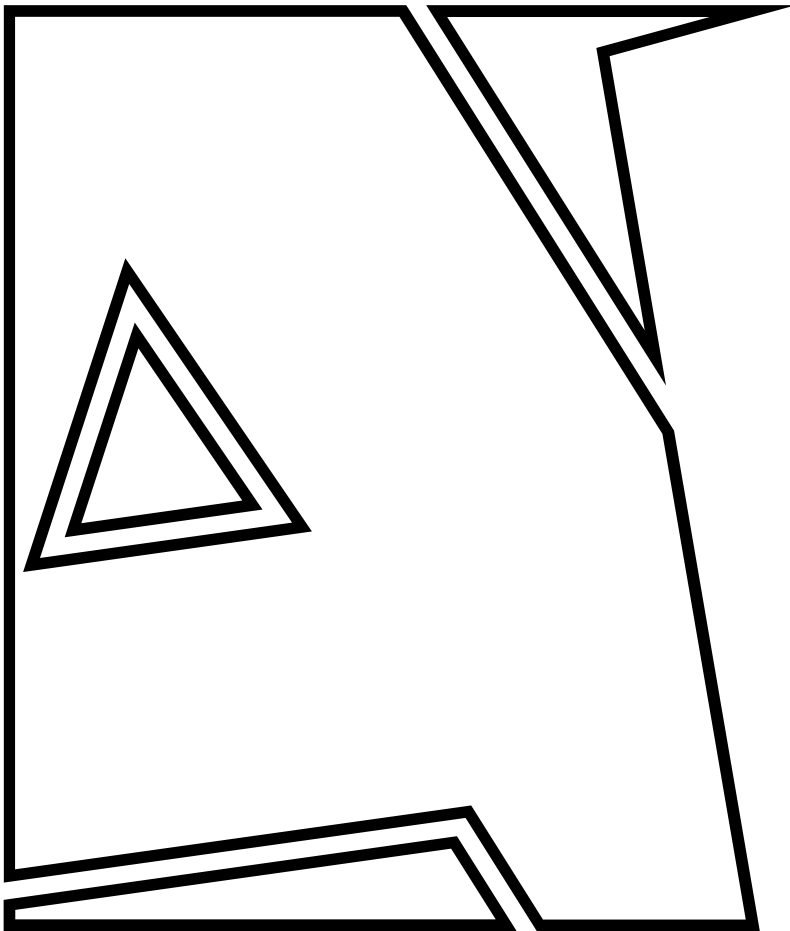




ARIET

AVR-20KVA LCD

**Automatic three-phase
voltage stabilizer**



**Office and server
equipment**



**Medical facilities
and laboratories**



**Telecommunications
systems**

The three-phase automatic voltage stabilizer is designed to maintain stable output voltage under significant fluctuations in the power supply network and to protect industrial equipment.

Provides highly accurate output voltage stabilization with automatic parameter adjustment.

The stabilizer supports a wide input voltage range and is compatible with various industrial loads and power systems.

The design utilizes modern electronic or servo-driven control technologies, ensuring reliable and long-lasting operation.

For ease of use, an LCD display is included for parameter monitoring.



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

High voltage stabilization accuracy ensures safe operation of sensitive equipment.

A wide input voltage range allows the device to operate in networks with unstable power supply.

Support for multiple voltage standards makes the stabilizer suitable for international projects.

Automatic 50/60 Hz frequency detection simplifies integration into existing power systems.

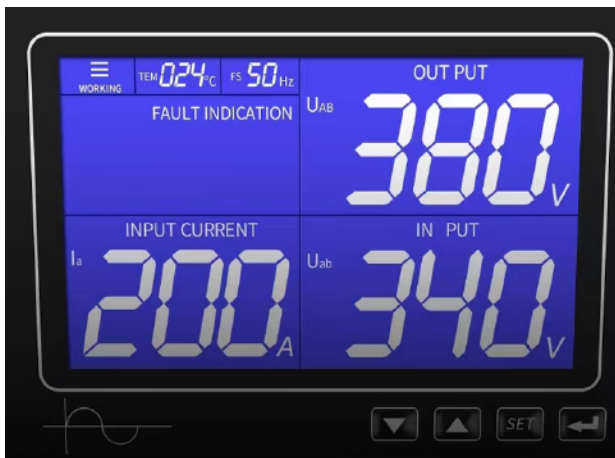
The robust industrial design ensures long-term operation at full load.

The option to use components from leading brands increases the reliability of the electrical system.

Intelligent monitoring of network parameters enables real-time tracking of voltage and operating performance.

The availability of bypass modes simplifies maintenance and improves overall system reliability.

Technological features



Intelligent LED display data real-time monitoring voltage

The input and output voltage and current are clear and displayed, and the data is intuitive 230V-475V can be stabilized to 380V

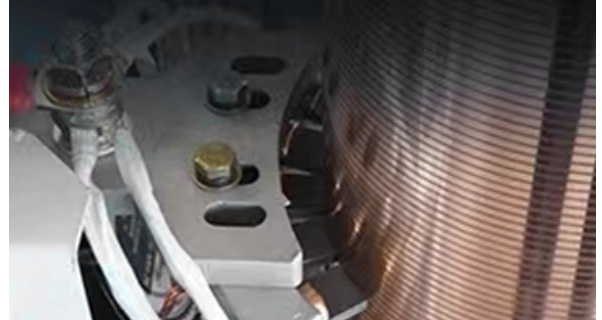
PERFORMANCE UPGRADE

Powerful motor

EFFICIENT AND QUIET, QUICK
ADJUSTMENT, GOOD EFFICIENCY, ETC.



HIGH QUALITY 1017 CARBON BRUSH



REGULATOR COMPENSATION COIL



THE INNER "CORE" IS STRONG

Copper voltage regulating copper column

LOWER RESISTIVITY AND BETTER THERMAL
CONDUCTIVITY. HIGHER STRENGTH



Technical specifications

MODEL	AVR-20KVA LCD
Power	20 kW
Input	
Input phase voltage	135-270 V
Connection type	3P+N+G or 3P+G option
Line voltage range	230V-475V (option 155 - 490)
Input range	±20% (±15%-60%) can be customized
Input frequency	47-63 Hz
Output	
Output voltage	220 V/380V, 230V/400V, 240V/415V
Connection type	3P+N+G or 3P+G option
Accuracy	±1%~±5%
Frequency	50/60 Hz (LCD display will automatically detect the refresh rate of 50 or 60Hz)
Power factor	1.0
Waveform distortion	No distortion (similar to input signal)
Efficiency	≥98% (on full load)
Overload capacity	150% for 5 minutes, 200% for 1 minute
Response time	<10 ms
THD	<3% (linear load)
General	
Compensating transformer	Insulation level H, 200 degrees
Control method	Compensation regulation or independent regulation for each stage (optional)
Operating principle	Fully automatic, servo motor/thyristor/IGBT
Level of protection	IP21 (indoor), IP54 или IP65 (outdoor)
Cooling	Air cooling system/fan system
Environment	
Operating Temperature	-20~+50 °C
Relative Humidity	<90%
Noise	45 dB at 70% load, 55 dB at 100% load (within one meter)
Altitude	<1500 m
5.0" digital LCD display	Input voltage phase-to-neutral/Input voltage phase-to-phase Output voltage phase-to-neutral/Output voltage phase-to-phase Load current in each phase (switchable with a pushbutton) Frequency (50 or 60 Hz, automatic detection and display) Operating temperature
Multifunctional protection	Overvoltage and undervoltage protection, overcurrent protection, overload protection, soft start protection, manual bypass (or automatic bypass) protection, short circuit protection, phase absence protection, phase sequence protection, alarm indication, overheating protection.
Physical parameters	
Dimensions (W*D*H) mm	450 × 715 × 650
Weight (kg)	123