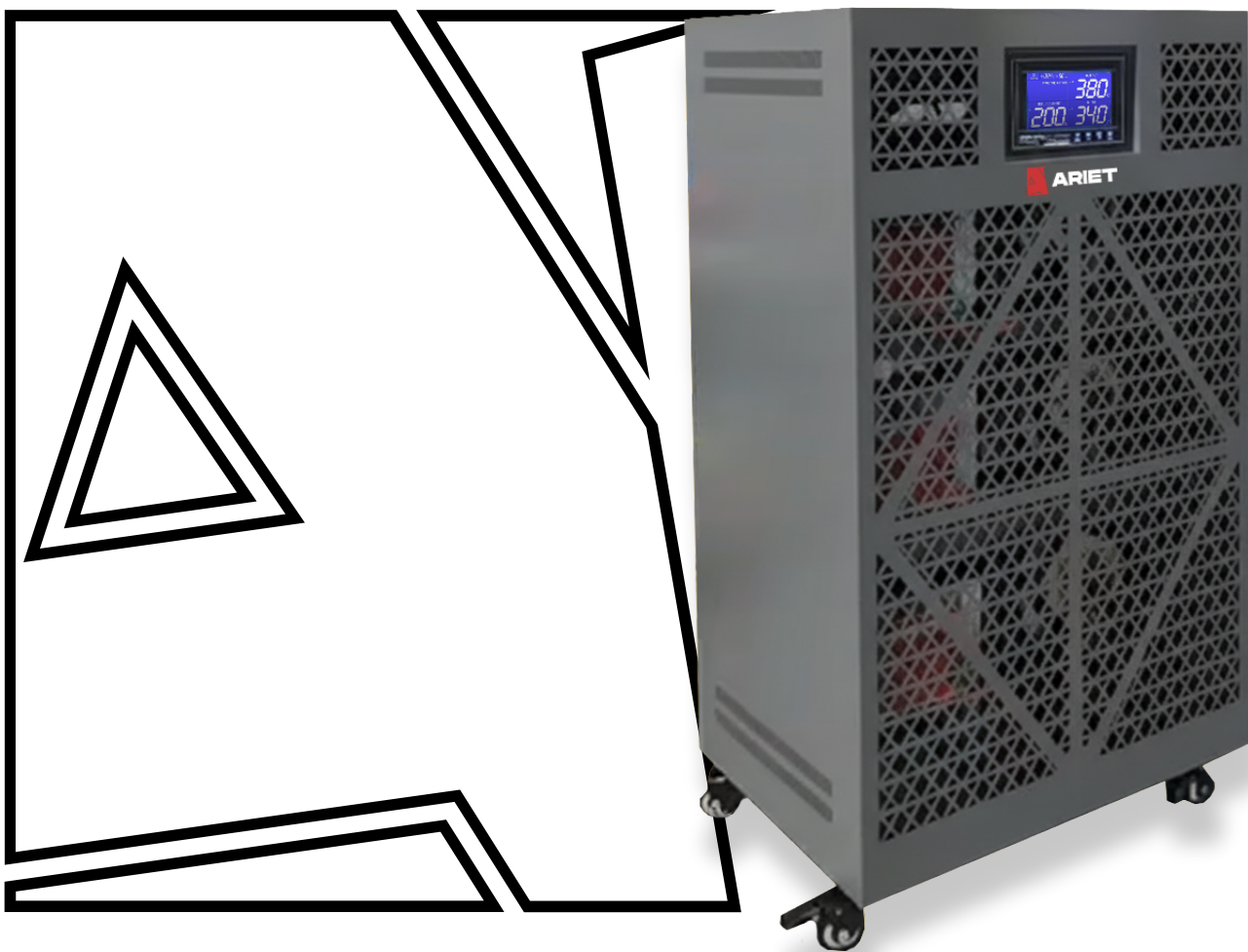




**ARIET**

**AVR-100KVA LCD  
AVR-120KVA 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.

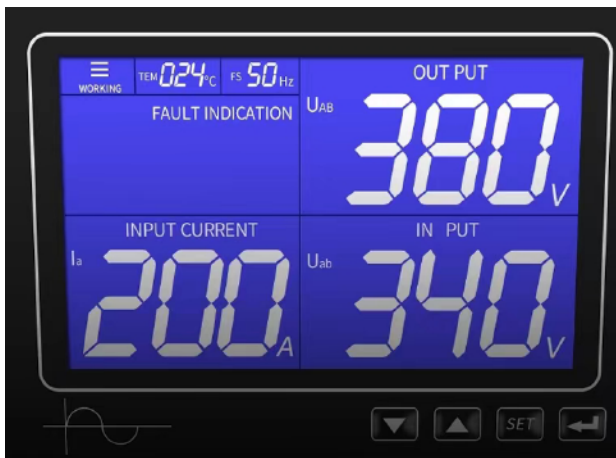
**The robust industrial design** ensures long-term operation at full load.

**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

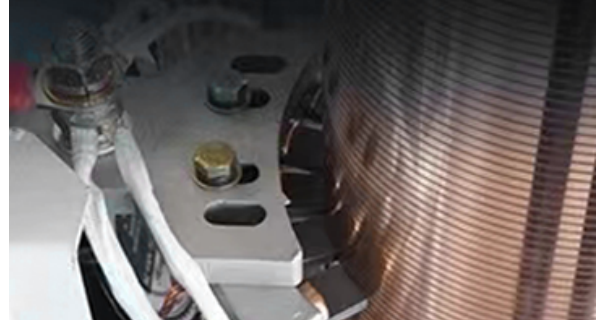
### PERFORMANCE UPGRADE

#### 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-100KVA LCD	AVR-120KVA LCD
<b>Power</b>	85 kW	102 kW
<b>Input</b>		
Input voltage	220 V/380 V, 230 V/400 V, 240 V/415 V	
Phase	3P+N+G or 3P+G option	
Voltage range	230V-475V (option 155 - 490)	
Input range	±20% (±15%-60%) can be customized	
Input frequency	47-63 Hz	
Input switch	Chint Brand switch (ABB and Schneider option)	
<b>Output</b>		
Output voltage	220 V/380V, 230V/400V, 240V/415V	
Phase	3P+N+G or 3P+G option	
Output 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)	
<b>General</b>		
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	
<b>Environment</b>		
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	
<b>5.0" digital LCD display</b>	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	
<b>Multifunctional protection</b>	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.	
<b>Physical parameters</b>		
Dimensions (W*D*H) mm	1500 × 585 × 715	1500 × 585 × 715
Weight (kg)	220	260