

POWER CONDITIONERS

SINGLE PHASE

2 - 10kVA

Protect sensitive equipment from voltage fluctuations. With fast regulation, 98% efficiency, and robust protection, these units are ideal for a wide range of applications including medical equipment, alarm systems, POS terminals, and audio/visual setups.

Features

- ✓ Automatic Voltage Regulation
- ✓ Wide Input Voltage Range
- ✓ Short Circuit & Over Load Protection
- ✓ Protection against Brownout/Over Voltage/Surges
- ✓ Selectable Delay Time
- ✓ High Efficiency - 98%
- ✓ High Input Power Factor - 0.95-1.0
- ✓ Flexible Loads - Inductive/Capacitive

Application

- ✓ Production Line
- ✓ Process Control
- ✓ Computers Copy/Printing Service
- ✓ CAD/CAM Multi-Media
- ✓ Communications Systems
- ✓ Audio Equipment
- ✓ Measuring Instruments
- ✓ Alarm/Security System
- ✓ Medical Equipment POS Terminal
- ✓ Elevators
- ✓ Auto-Test Equipment SMT Device
- ✓ Medical Monitoring System
- ✓ Electric Cash Register
- ✓ Service/Data Storage System



SPECIFICATIONS

Model	AVR1-2	AVR1-5	AVR1-10
Capacity	2kVA	50kVA	10kVA
Display	LCD		
Input			
Input Voltage	230V		
Voltage Range (Normal range)*	176Vac-264Vac		
Input Connection	Copper busbar terminal		
Output			
Voltage regulation	220V±2%		
Voltage Tolerance	±2%		
Response Time	<1S		
Output Powerfactor	0.8		
Efficiency	≥98%		
Regulation Speed	≥25V/S		
Delay Output	3-5S, stabilize the voltage before output		
Waveform Distortion	No additional waveforms generated (static)		
Output Connection	Copper busbar terminal		
Communications and management			
Display Indication	Input Voltage Value, Output Voltage Value, Current, Stabilizer Settings, Stabilizer Condition and Failure Info, Warnings (Overload, overvoltage, under voltage, input failure, output failure, etc)		
Protection			
Over Voltage	delay 3-5S, then cut off output when output voltage over 10%		
Under Voltage	delay 3-5S, then cut off output when output voltage lower than 15%		
Over Load	cut off output when over 200%		
Over Current	delay 3-5S, then cut off output		
Short Circuit	cut off output automatically		
Phase Loss	cut off output automatically with buzzer alert		
Phase Reverse	cut off output automatically with buzzer alert		
Indication			
Voltage	display A phase value		
Current	total value		
Abnormal	overvoltage, under voltage, over load, fuse blown		
Environmental Conditions			
Ambient Temperature	0 - 40C		
Altitude	< 3000 m		
Humidity	0 - 95% (non-condensing)		
Acoustic Noise	≤ 60dB		
Cooling System	forced ventilation (Fan)		
Physical			
Dimensions (HxWxD) mm / Weight	650x400x320 / 50kg		

POWER CONDITIONERS

THREE PHASE
3 - 200kVA

Stable power for large-scale operations. Independent phase regulation, surge protection, and high efficiency make it perfect for industrial, medical, and critical infrastructure.

Features

- ✓ Automatic Voltage Regulation
- ✓ Wide Input Voltage Range
- ✓ Short Circuit & Over Load Protection
- ✓ Protection against Brownout/Over Voltage/Surges
- ✓ Selectable Delay Time
- ✓ High Efficiency - 98%
- ✓ High Input Power Factor - 0.95-1.0
- ✓ Flexible Loads - Inductive/Capacitive

Application

- ✓ Production Line
- ✓ Process Control
- ✓ Computers Copy/Printing Service
- ✓ CAD/CAM Multi-Media
- ✓ Communications Systems
- ✓ Audio Equipment
- ✓ Measuring Instruments
- ✓ Alarm/Security System
- ✓ Medical Equipment POS Terminal
- ✓ Elevators
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- ✓ Medical Monitoring System
- ✓ Electric Cash Register
- ✓ Service/Data Storage System



SPECIFICATIONS

Model	AVR3-10	AVR3-30	AVR3-50	AVR3-100	AVR3-200
Capacity	10kVA	30kVA	50kVA	100kVA	200kVA
Display	LCD				
Input					
Input Voltage	380V				
Voltage Range (Normal range)*	304-456V				
Input Connection	Copper busbar terminal				
Output					
Voltage regulation	380V±2%				
Voltage Tolerance	±2%				
Response Time	<1S				
Output Powerfactor	0.8				
Efficiency	≥98%				
Regulation Speed	≥25V/S				
Delay Output	3-5S, stabilize the voltage before output				
Waveform Distortion	No additional waveforms generated (static)				
Output Connection	Copper busbar terminal				
Regulation Between Three Phase	Independent regulation on three phase				
Communications and management					
Display Indication	Input Voltage Value, Output Voltage Value, Current, Stabilizer Settings, Stabilizer Condition and Failure Info. Warnings (Overload, overvoltage, under voltage, input failure, output failure, etc)				
Protection					
Over Voltage	delay 3-5S, then cut off output when output voltage over 10%				
Under Voltage	delay 3-5S, then cut off output when output voltage lower than 15%				
Over Load	cut off output when over 200%				
Over Current	delay 3-5S, then cut off output				
Short Circuit	cut off output automatically				
Phase Loss	cut off output automatically with buzzer alert				
Phase Reverse	cut off output automatically with buzzer alert				
Indication					
Voltage	display A, B, C phase and \sum ABC phase value separately				
Current	display A, B, C phase and \sum ABC phase value separately				
Abnormal	overvoltage, under voltage, over load, fuse blown				
Environmental Conditions					
Ambient Temperature	0 - 40C				
Altitude	< 3000 m				
Humidity	0 - 95% (non-condensing)				
Acoustic Noise	≤ 60dB				
Cooling System	forced ventilation (Fan)				
Physical					
Dimensions (HxWxD) mm	1000x800x520			1250x850x600	1350x980x650
Weight	280kg	320kg	360kg	450kg	600kg