

3PH CONTACTLESS AVR LAMBDA SERIES 150V

(10KVA - 3000KVA)



UPS

INVERTERS

ACCESSORIES



APPLICATION



Agricultural fields



Oil and gas fields



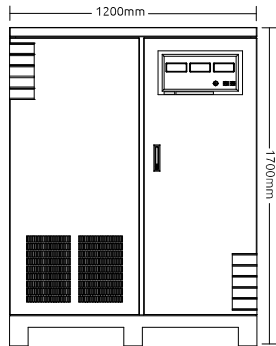
Hospital & testing laboratories



Factories

AVR

SCHEMATIC



(200KVA)

BATTERIES

SOLAR SOLUTION

BENEFITS

- ✓ The contactless inductive transformer makes the linear voltage regulation. No tap from the transformer, there is no coupling noise and voltage drop is very low.
- ✓ No contact point inside the transformer, there is no arc discharge.
- ✓ The winding is made of high purity oxygen-free copper wire, the core is made of high magnetic density silicon-steel plate. The copper loss and iron loss are small.
- ✓ The transformer won't be damaged, if short circuit happened or it's overloaded in short time. 100% load for long time, 150% for 30 seconds, 200% for 10 seconds, 300% for 5 seconds.
- ✓ When output voltage is out of range, or overload, overheat and open phase happens, or control circuit is abnormal, it will give buzzer beeping and LED is light (not cut off output).
- ✓ Manual bypass switch is bundle. Automatic bypass function is customized
- ✓ RS232/RS485 optional
- ✓ Preset at 2% output precision (1% optional)
- ✓ Output isolating transformer optional
- ✓ Big LCD display or touchable LCD display

FEATURES



Excellent overload ability



In case of any fault or emergency, an alarm will sound



high output precision



Contactless magnetic induction technology



Protects against over voltage

SPECIFICATION

MODEL NUMBER	FA-AVR-150V-10KVA-33CVR	FA-AVR-150V-20KVA-33CVR	FA-AVR-150V-45KVA-33CVR	FA-AVR-150V-80KVA-33CVR	FA-AVR-150V-150KVA-33CVR
Capacity	10KVA/8W	20KVA/16KW	45KVA/36KW	80KVA/64KW	150KVA/120KW
INPUT					
Rated INPUT Voltage	380V (400V, 415V, 440V or 200V, 220V Optional)				
Input Voltage Range	±15%, ±30%, or customized				
Input Frequency	50/60Hz ± 5Hz				
Power Factor	0.98				
OUTPUT					
Rated Output Voltage	L1—L2/380V		L2—L3/380V	L1—L3/380V	
Output Precision	Preset at ±2% (±2% to ±10% Adjustable)				
Response time	<1s, against 10% variation of input voltage				
Power Factor	0.8				
Efficiency	>96%				
Loading Ability	150% for 30s, 200% for 10s, 300% for 1s				
DISPLAY					
Input Voltage	Analog or Digital Voltmeter				
Output Voltage	Analog or Digital Voltmeter				
Output Current	Analog or Digital Current meter				
PROTECTION AND ALARM					
Output Over / Under Voltage	LED + Buzzer Beeping (Output Cut-off Optional)				
Overload	200kVA~600kVA: Input Cut-off +LED +Buzzer Beeping Short Circuit 800kVA~3,000kVA: LED +Buzzer Beeping				
Over Temperature	LED + Buzzer Beeping (Output Cut-off Optional)				
Short Circuit	Input cut-off by air breaker				
WRONG PHASE sequence	Cant switch on regulator "P" in display + Buzzer beeping				
Phase failure	LED + Buzzer Beeping				
Bypass	Isolated manual bypass switch				
Output Delay time	6s/180s selectable				
Surge/Spike	Optional, Replaceable SPD				
SAFETY					
Insulation V / R	2,000V/60s / >5MΩ				
Creepage Distance	>8mm				
Grounding Resistance	>0.1MΩ				
Cooling Mode	Force Air Cooling				
Audible Noise	<65dB at 1m distance with full load				
OPERATION CONDITIONS					
operating Temperature	-5°C - +45°C				
Operating humidity	0%-90%, non-condensing				

Available capacity: 10KVA, 15KVA, 20KVA, 30KVA, 45KVA, 60KVA, 80KVA, 100KVA &150KVA

Modeling number: FA-AVR-150V-XXKVA-33CVR, Where XX=AVR capacity



More than 15 years of life



No Arc Discharge



high reliability



Protects against short circuit



High Efficiency

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SPECIFICATION

MODEL NUMBER	FA-AVR-150V-200KVA-33CVR	FA-AVR-150V-500KVA-33CVR	FA-AVR-150V-800KVA-33CVR	FA-AVR-150V-1500KVA-33CVR	FA-AVR-150V-3000KVA-33CVR
Capacity	200KVA/160KW	500KVA/400KW	800KVA/640KW	1500KVA/1200KW	3000KVA/2400KW
INPUT					
Rated INPUT Voltage	380V (400V, 415V, 440V or 200V, 220V Optional)				
Input Voltage Range	±15%, ±30%, or customized				
Input Frequency	50/60Hz ± 5Hz				
Power Factor	0.98				
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Rated Output Voltage	L1—L2/380V	L2—L3/380V	L1—L3/380V		
Output Precision	Preset at ±2% (±2% to ±10% Adjustable)				
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OPERATION CONDITIONS					
operating Temperature	- 5°C - + 45°C				
Operating humidity	0%-90%, non-condensing				

Available capacity: 200KVA, 250KVA, 300KVA, 400KVA, 500KVA, 600KVA, 800KVA, 1000KVA, 1200KVA, 1500KVA, 2000KVA, 2500KVA & 3000KVA

Modeling number: FA-AVR-150V-XXXKVA-33CVR, Where XX=AVR capacity

FEATURES



No coupling noise



Protects against overload



Industrial strength components



Protects against under voltage



voltage drop is very low

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