

1PH CONTACTLESS AVR LAMBDA SERIES 150V

(10KVA - 30KVA)



UPS

INVERTERS

ACCESSORIES



APPLICATION



Agricultural fields



Oil and gas fields



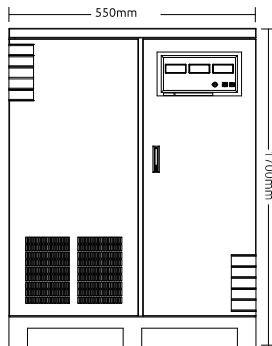
Hospital & testing laboratories



Factories

AVR

SCHEMATIC



(120KVA)

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

BATTERIES

SOLAR SOLUTION

FEATURES



Excellent overload ability



high output precision



Protects against overload



Contactless magnetic induction technology



Protects against under voltage



high reliability



Protects against over voltage



High Efficiency

SPECIFICATION

MODEL NUMBER	FA-AVR-150V-10KVA-11CVR	FA-AVR-150V-15KVA-11CVR	FA-AVR-150V-20KVA-11CVR	FA-AVR-150V-30KVA-11CV
Capacity	10KVA	15KVA	20KVA	30KVA
INPUT				
Rated INPUT Voltage	220V(230V, 240V or 110V, 120V, 127V Optional)			
Input Voltage Range	±15%, ±30%, or customized			
Input Frequency	50/60Hz ± 5Hz			
Power Factor	0.98			
OUTPUT				
Rated Output Voltage	220V			
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			

UPS

INVERTERS


ACCESSORIES

AVR


BATTERIES


SOLAR SOLUTION


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More than 15 years of life
- 

No coupling noise
- 

Industrial strength components
- 

voltage drop is very low
- 

Protects against short circuit
- 

No Arc Discharge
- 

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