

1PH SERVO MOTOR AVR LAMBDA SERIES 150V

(10KVA - 30KVA)



UPS

INVERTERS

ACCESSORIES



APPLICATION



Agricultural fields



Oil and gas fields



Hospital & testing laboratories



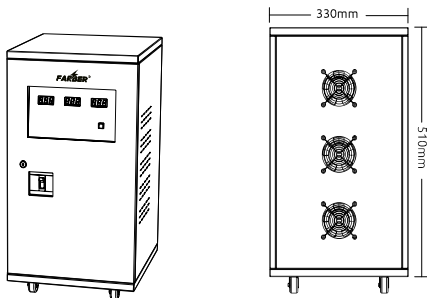
Factories

BENEFITS

- High Efficiency
- Digital Display
- Advanced protection
- Strong Overload ability
- Configurable Normal Output Voltage (optional)
- Isolated manual Bypass switch
- Surge protection Device (optional)
- Servo Motor type
- 100% Copper regulation transformer (Motor transformer)

AVR

SCHEMATIC



(20KVA)

BATTERIES

SOLAR SOLUTION



Offers very high current for 30s



Instant transfer of power through zero-crossing detection



Protects against over voltage



Protects against under voltage



Protects against over heat

SPECIFICATION

MODEL NUMBER	FA-AVR-150V-10KVA-11SVR	FA-AVR-150V-15KVA-11SVR	FA-AVR-150V-20KVA-11SVR	FA-AVR-150V-30KVA-11SVR
Capacity	10KVA	15KVA	20KVA	30KVA
Material	Metal			
INPUT				
Input Voltage	150-250V or customized			
Input Frequency	45-65HZ			
Power Factor	0.98			
OUTPUT				
Rated Output Voltage	220V (230V Optional)			
Output Precision	±3% (±1% optional)			
Response time	<1s, against 10% variation of input voltage			
Efficiency	>96%			
Loading Ability	120% for 180s, 150% for 30s, 200% for 10s, 300% for 5s			
DISPLAY				
Digital Display	Input voltage, Output voltage, Output current			
PROTECTION AND ALARM				
Output Under Voltage	Output cut-off by contactor + "L" in display + Buzzer beeping			
Output Over Voltage	Output cut-off by contactor + "H" in display + Buzzer beeping			
Overload	Output cut-off by contactor + "F" in display + Buzzer beeping			
Over Temperature	Output cut-off by contactor + "C" in display + Buzzer beeping			
Short Circuit	Input cut-off by air breaker			
Bypass	Isolated manual bypass switch			
Output Delay time	6s/180s selectable			
Surge/Spike	Optional, Replaceable SPD			
SAFETY				
Insulation Voltage	2,000V/60s			
Insulation Resistance	>5MΩ			
Creepage Distance	>8mm			
Grounding Resistance	>0.1MΩ			
Insulation Class of coil	Class F (155C)			
Cooling Mode	Cooling Fan			
IP Level	IP20			
Audible Noise	<65dB at 1m distance with full load			
PHYSICAL				
Dimension, D x W x H (mm)	565x333x525		575x333x645	
Net Weight (kgs)	70	78	100	108
operating Temperature	- 5°C - + 45°C			
Operating humidity	10%-90%, non-condensing			
Operating Altitude	<1,000m			

UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION



Protects against
overload



Protects against short
circuit



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



Servo motor To ensure
the accuracy and stability
of the output voltage



AVR will auto-run after
overload protection