

# 3PH SERVO MOTOR AVR LAMBDA SERIES 150V

(20KVA-100KVA)

LAMBDA

SERIES



150V  
STEP UP

UPS

INVERTERS

ACCESSORIES



## APPLICATION



Agricultural fields



Oil and gas fields



Hospital & testing laboratories

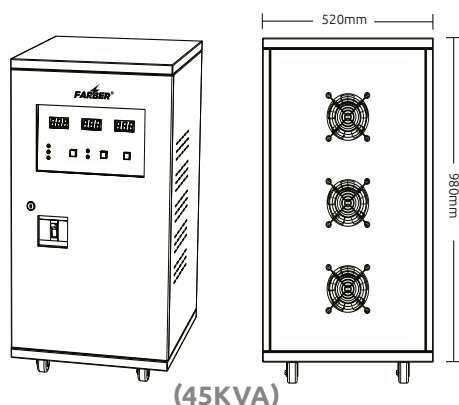


Factories

## BENEFITS

- ☒ High Efficiency
- ☒ 100% Unbalanced loading capability between three phases
- ☒ 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)

## SCHEMATIC



## FEATURES



Offers very high current for 30s



Instant transfer of power through zero-crossing detection



Protects against over voltage



Protects against over heat



Protects against under voltage

AVR

BATTERIES

SOLAR SOLUTION

# SPECIFICATION

MODEL NUMBER	FA-AVR-150V-20KVA-33SVR	FA-AVR-150V-30KVA-33SVR	FA-AVR-150V-45KVA-33SVR	FA-AVR-150V-60KVA-33SVR	FA-AVR-150V-80KVA-33SVR	FA-AVR-150V-100KVA-33SVR
Capacity	20KVA	30KVA	45KVA	60KVA	80KVA	100KVA
INPUT						
Rated Input Voltage	L1—L2/380V , L2—L3/380V , L1—L3/380V					
Input Voltage Range	260-430V or customized					
Input frequency	45-65HZ					
Power Factor	0.98					
OUTPUT						
Rated Output Voltage	L1—L2/380V , L2—L3/380V , L1—L3/380V					
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						
Input Voltage	Line Voltage AB,BC, CA		Phase Voltage A, B, C			
Output Voltage	Line Voltage AB,BC, CA		Phase Voltage A, B, C			
Output Current	Phase Current: A, B, C					
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					
Phase failure	Output cut-off by contactor + Buzzer beeping					
Wrong Phase sequency	Cant switch on regulator "P" 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 V / R	2,000V/60s / >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)	520x460x830		600x520x1080		600x570x1080	
Net Weight (kgs)	100	108	175	190	210	235
operating Temperture	- 5°C - + 45°C					
Operating humidity	10%-90%, non-condensing					



Protects against overload



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



Protects against short circuit



AVR will auto-run after overload protection



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