

AVR LAMBDA SERIES 150V

(1PH-30KVA)

LAMBDA
SERIES



150V
STEP UP



APPLICATION

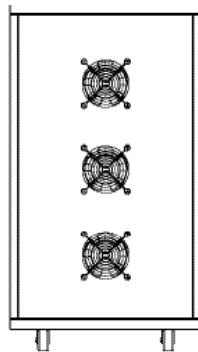
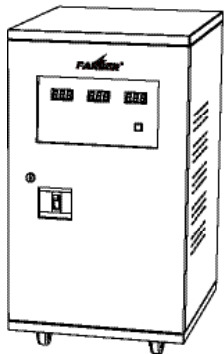


Agricultural
fields



Oil fields

SCHEMATIC



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

FEATURES



FARBER-OVERLOAD™
Offers very high
current for 30



FARBER-TRANSFER™
Instant transfer of
power through zero-
crossing detection



FARBER-TECHTOR™
Protects against over
voltage

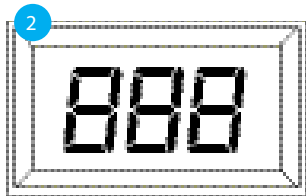
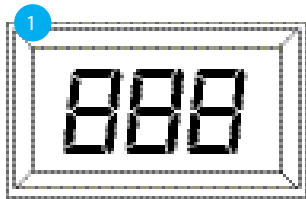


FARBER-TECHTOR™
Protects against under
voltage

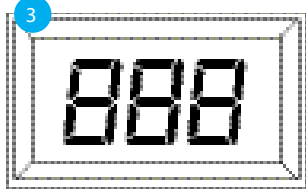


FARBER-TECHTOR™
Protects against over
heat

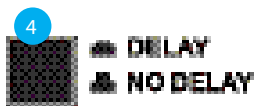
LCD FEATURES SPECIFICATION



OUTPUT VOLTAGE



OUTPUT CURRENT



1. Display of input voltage
2. Display of output voltage
3. Display of output current
4. Display button(DELAY=180S, NO DELAY=6S)

MODEL NUMBER	FA-AVR-150V-30KVA/SVR1PH
Capacity	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 cutoff by contactor + "L" in display + Buzzer beeping
Output Over Voltage	Output cutoff by contactor + "H" in display + Buzzer beeping
Overload	Output cutoff by contactor + "F" in display + Buzzer beeping
Over Temperature	Output cutoff by contactor + "C" in display + Buzzer beeping
Short Circuit	Input cutoff 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
OPERATING CONDITIONS	
operating Temperture	- 5°C - + 45°C
Operating humidity	10%-90%, non-condensing
Operating Altitude	<1,000m



FARBER-TECHTOR™
Protects against overload



FARBER-TECHTOR™
Protects against short circuit



FARBER-WARNER™
In case of any fault or emergency, an alarm will sound



FARBER-ACCURACY™
Servo motor To ensure the accuracy and stability of the output voltage



FARBER-RESTARTER™
AVR will auto-run after overload protection