(10KVA - 30KVA)

UPS

INVERTERS





APPLICATION







MATE AUTOMATIC VOLTAGE RECULATOR

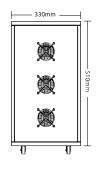


BENEFITS

- ✓ 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)

SCHEMATIC





(20KVA)

FEATURES



Offers very high current for 30s



Instant transfer of power through zerocrossing detection



Protects against over voltage



Protects against under voltage



Protects against over heat



UPS

Moder Mod	MODEL NUMBER	FA=AVP=150V=10KVA=115VP	FA-AVP-150V-15KVA-115VP	FA-AVP-150V-20KVA-115VP-	EA-AVP-150V-30KVA-115VP	
Metal Input Voltage 150-250V or customized Input Frequency 45-45HZ Power Factor 0.98 Cutrout Rated Output Voltage 220V (230V Optional) Cutrout Rated Output Voltage 220V (230V Optional) Cutrout Precision Assignated (3) a 3% (41% optional) Response time Fifticiency >96% Loading Ability 120V for 180s, 150% for 30s, 200% for 10s, 300% for 5s Loading Ability 120V for 180s, 150% for 30s, 200% for 10s, 300% for 5s Loading Ability 120V for 180s, 150% for 30s, 200% for 10s, 300% for 5s Loading Ability 120V for 180s, 150% for 30s, 200% for 10s, 300% for 5s Loading Ability 120V for 180s, 150% for 30s, 200% for 10s, 300% for 10s, 300% for 5s Loading Ability 120V for 180s, 150% for 30s, 200% for 10s, 300% for 10s, 300% for 5s Loading Ability 120V for 180s, 150% for 30s, 200% for 10s, 300% f						
Input Yoltage						
Input Voltage	Maceriat					
Input Frequency 15-65HZ Power Factor 2017 Rated Output Voltage 220V (230V Optional) Output Precision 13% (11% optional) Response time 415 against 10% variation of input voltage Fifficiency 596% Cadding Ability 120% for 180s, 150% for 30s, 200% for 10s, 300% for 5 s	Input Voltage					
Power Factor 0.01FUT Rated Output Voltage 2.20 V (23 DV Optional) Output Precision ±3% (±1% optional) Response time ±15, against 10% variation of input voltage Efficiency >96% Loading Ability 120% for 180s, 150% for 30s, 200% for 10s, 300% for 5s PSIPELAY Digital Display Input voltage, Output vultage, Output current PROTECTION AND ALARN Output Under Voltage Output cue-off by contactor + "L" in display + Buzzer beeping Output Under Voltage Output cue-off by contactor + "F" in display + Buzzer beeping Over load Output cue-off by contactor + "F" in display + Buzzer beeping Over Imperature Output cue-off by contactor + "F" in display + Buzzer beeping Over Imperature Output cue-off by contactor + "F" in display + Buzzer beeping Over Imperature Output cue-off by contactor + "F" in display + Buzzer beeping Over Imperature Solic tell manual bypass switch Surger Spike Optional, Replaceable SPD Surger Spike Surger Spike Optional, Replaceable SPD Insulati	-					
Rated Output Voltage 220V (230V Optional) Output Precision ±3% (±1% optional) Response time ≤15%, against 10% variation of input voltage Efficiency >96% Loading Ability DISPLAY Display Display Output voltage, Output current PROTECTION AND ALARM Output Under Voltage Output Cover Yoltage Output cut-off by contactor + "1" in display + Buzzer beeping Over Tomature Output cut-off by contactor + "F" in display + Buzzer beeping Over Tomature Output cut-off by contactor + "F" in display + Buzzer beeping Over Tomature Output cut-off by contactor + "F" in display + Buzzer beeping Over Tomature Output cut-off by contactor + "F" in display + Buzzer beeping Short Circuit Input cut-off by air breaker Bypas Isolated manual bypass switch Output Delay time 65/180s selectable Surge/spike Optional, Replaceable SPD Surge/spike Optional, Replaceable SPD Insulation Notage Insulation Resistance So MIN <						
Rated Output Voltage	rowerractor					
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 Display PROTECTION AND ALARM Output Under Voltage Output Quebeff by contactor + "I' in display + Buzzer beeping Output Query Voltage Output Cubeff by contactor + "F' in display + Buzzer beeping Over Temperature Output Cubeff by contactor + "F' in display + Buzzer beeping Over Temperature Output Cubeff by contactor + "F' in display + Buzzer beeping Over Temperature Output Cubeff by contactor + "F' in display + Buzzer beeping Over Temperature Output Cubeff by contactor + "F' in display + Buzzer beeping Over Temperature Output Cubeff by contactor + "F' in display + Buzzer beeping Over Temperature Output Cubeff by contactor + "F' in display + Buzzer beeping Over Temperature Output Cubeff by contactor + "F' in display + Buzzer beeping Over Temperature Output Cubeff by contactor + "F' in display + Buzzer beeping Over Temperature Optional Penature Outp	Rated Output Voltage					
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Efficiency 996% Loading Ability 120% for 180s, 150% for 30s, 200% for 10s, 300% for 5s DISPLAY Display PROTECTION AND ALARN Output Under Voltage Output cut-off by contactor + "L" in display + Buzzer beeping Over load Output cut-off by contactor + "L" in display + Buzzer beeping Over Temperature Output cut-off by contactor + "L" in display + Buzzer beeping Over Temperature Output cut-off by contactor + "L" in display + Buzzer beeping Over Temperature Output cut-off by contactor + "L" in display + Buzzer beeping Over Temperature Output cut-off by contactor + "L" in display + Buzzer beeping Over Temperature Output cut-off by contactor + "L" in display + Buzzer beeping Over Temperature Output cut-off by contactor + "L" in display + Buzzer beeping Over Temperature Output cut-off by contactor + "L" in display + Buzzer beeping Over Temperature Output cut-off by contactor + "L" in display + Buzzer beeping Short Circuit In buszer beeping Output cut-off by contactor + "L" in display + Buzzer beeping <td></td> <td colspan="4"></td>						
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DISPLAY Display Input voltage, Output voltage, Output current PROTECTION AND ALARM Output Under Voltage Output cut-off by contactor + "L" 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 65/180s selectable Surge/Spike Optional, Replaceable SPD SAFETY Insulation Voltage 2,000V/60s Insulation Resistance >SMMΩ Creepage Distance >SMm Grounding Resistance >0.1MΩ Insulation Class of coil Class F (155C) Cooling Mode Cooling Fan IP Level IP20 Audible Noise <65d8 at 1m distance with full load PHYSICAL Dimension, D x W x H (mm) 565x333x525 575x333x645 Net Weight (kgs) 70 78 100 108 <td>Loading Ability</td> <td colspan="4">121</td>	Loading Ability	121				
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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 >55MΩ Creepage Distance >8mm Grounding Resistance >0.1 MΩ Insulation Class of coil Class F (155C) Cooling Mode Cooling Fan IP Level IP20 Audible Noise <655dB at 1m distance with full load PHYSICAL Dimension, D x W x H (mm) 565x333x525 \$75x333x645 Net Weight (kgs) 70 78 100 108 Operating Temperture -5°C-+45°C Cooling Fan	Output Over Voltage	Output cut-off by contactor + "H" in display + Buzzer beeping				
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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 <655dB at 1m distance with full load PHYSICAL Dimension, D x W x H (mm) 565x333x525 575x333x645 Net Weight (kgs) 70 78 100 108 operating Temperture -5°C-+45°C Operating humidity 10%-90%, non-condensing	Short Circuit	Input cut-off by air breaker				
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Grounding Resistance >0.1 MΩ Insulation Class of coil Class F (155C) Cooling Mode Cooling Fan IP Level IP20 Audible Noise <65dB at 1 m distance with full load	Insulation Resistance	>5MΩ				
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 Temperture -5°C-+45°C Operating humidity 10%-90%, non-condensing	Creepage Distance	>8mm				
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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 Temperture -5°C-+45°C Operating humidity 10%-90%, non-condensing	Insulation Class of coil	Class F (155C)				
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 Temperture -5°C-+45°C Operating humidity 10%-90%, non-condensing	Cooling Mode	Cooling Fan				
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Net Weight (kgs) 70 78 100 108 operating Temperture -5°C-+45°C Operating humidity 10%-90%, non-condensing			PHYSICAL			
operating Temperture -5°C -+ 45°C Operating humidity 10%-90%, non-condensing	Dimension, D x W x H (mm)		565x333x525		575x333x645	
Operating humidity 10%-90%, non-condensing	Net Weight (kgs)	70	78	100	108	
	operating Temperture	- 5°C - + 45°C				
Operating Altitude <1,000m	Operating humidity		10% - 90%, no	on-condensing		
	Operating Altitude	<1,000m				







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

