



Automatic Voltage Stabilizer

เครื่องควบคุมแรงดันไฟฟ้าอัตโนมัติ

Three Phase

 www.u-pt.com



AVR-M-A Series

Features

- Maintenance free roller type carbon brush
- Voltage vector control allowing overload
- High mean time between failure (MTBF)
- High efficiency, up to 98% (full load)
- Independent phase regulation
- Unique compact dimension
- Completed protections

Application

- Military research & Defense weapons
- Laser cutting & Punching machinery
- CNC machinery
- Electronics & Medical equipment
- Lab instrument
- Medical monitoring System
- Process control system
- Elevator
- IT & OA equipment
- Auto testing equipment
- Safe guard system
- Production line
- SMT machinery
- TV & Radio broadcasting stations
- Video & Audio
- CAD / CAM
- Generator
- Computer & Computer peripherals



AVR-M-A Series Automatic Voltage Stabilizer / Regulator

Specification :

MODEL :	AVR-M-A						
	15 ~ 5000						
	KVA						
Three Phase 380 Vac (Electronic Servo)							
INPUT							
Voltage Regulation System	Microprocessor Controlled Servo System						
Input Voltage	380, 400, 415V System, Other Voltage System Can be Customized)						
Input Range	±20% (±15% ~ ±50% Can be Customized)						
Input Frequency	50/60Hz (40 ~75Hz)						
OUTPUT							
Output Voltage	380, 400, 415V System, Other Voltage System Can be Customized)						
Output Accuracy	Selectable : ±1% to ±5%						
Waveform Distorftion	Nil						
Power Factor	0.8						
Efficiency	≥98% (Full load)						
Overload Capacity	200% Over load 10secs, 150% Over load 60secs, 120% Over load 10mins						
FEATURES							
Insulation Class of Transformer	H Class						
Method of Voltage Regulation	Thee Phase Independent Regulation						
Indicators	Digital LED + LCD : Voltage, Current, Power, Parameters Setting, Failure Information						
Cooling	Natural / forced air						
Protection Level	IP21(indoor), IP54(outdoor)						
Electrical Safety	CE						
Temperature	-20°C to +50 °C						
Altitude	<1000m						
Relative Humidity	<90%						
Noise	<55dB						
Protection	Malfunction protection, Short-circuit protection (MCB), Lack of phase protection, Wrong sequence protection, Over voltage / Under voltage protection, Overload protection, Safe start, Manual bypass, Indicating alarms, Security password, RS232 / 485 interface Optional : Isolation transformer, Surge protector (SPD), GPRS or Wifi communication, Auto bypass, Centralized monitoring, Touch screen HMI						
PHYSICAL							
MODEL	DIMENSION (WxDxH mm)	MODEL	DIMENSION (WxDxH mm)	MODEL	DIMENSION (WxDxH mm)	MODEL	DIMENSION (WxDxH mm)
AVR-M-20A	280 x 750 x 1230	AVR-M-120A	320 x 850 x 1380	AVR-M-350A	500 x 1150 x 1870	AVR-M-1200A	1000 x 1800 x 1900
AVR-M-30A	300 x 750 x 1230	AVR-M-150A	320 x 850 x 1380	AVR-M-400A	500 x 1150 x 1870	AVR-M-1500A	1000 x 1800 x 1900
AVR-M-50A	300 x 800 x 1280	AVR-M-180A	320 x 850 x 1380	AVR-M-500A	600 x 1300 x 2000	AVR-M-2000A	1600 x 1900 x 2100 2*Case
AVR-M-60A	300 x 800 x 1280	AVR-M-200A	320 x 850 x 1380	AVR-M-600A	600 x 1300 x 2000	AVR-M-3000A	1600 x 1900 x 2100 2*Case
AVR-M-80A	300 x 800 x 1280	AVR-M-250A	400 x 1000 x 1670	AVR-M-800A	600 x 1300 x 2000	AVR-M-4000A	1600 x 1900 x 2100 3*Case
AVR-M-100A	320 x 850 x 1380	AVR-M-300A	400 x 1000 x 1670	AVR-M-1000A	800 x 1800 x 1900	AVR-M-5000A	1600 x 1900 x 2100 4*Case

* Specifications are subject to change without prior notice.

Spec. STD.17-06-23



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U PROTECT

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