Electronics Type AVR

NU series

Specially for automatic control and distribution panel

Compact size NU series electronic Automatic Voltage Regulator is in all-electronic automatic control. It is featured with rapid voltage regulation, frequency wave of output is same as input, free of distortion and has very wide input range. It can absorb surge instantly and there is perfect protecting devices that is suitable for area with instable voltage or where steady voltage required.

Feature:

- **Very wide input voltage range**
  This series AVR can maintain ≦5% voltage stability when the input is within-23% and + 30% range
- **True RMS detecting circuit**
  It has precise True RMS detection and is capable to maintain accurate voltage regulation when the external power supply is distorted
- **Zero-cross transfer circuit, with longer life**
  This series AVR owns accurate zero-cross circuit, the output is without power cut-off time while AVR is working
- **Automatic start delay with good protecting effects**
  The AVR will delay the start 4 seconds automatically when physically started and when mains is resumed after black out, it can protect your equipment from damage of transient high voltage of surge
- **Overload and overheat dual protection**
  The AVR has overheat protection, in addition to the overload protection, when transformer temperature is too high, it will cut-off output of AVR automatically
- **Over low/ high input voltage protection**
  When input voltage is too low, it will cut off output.
  When input inserted to wrong outlet (such as 110V AVR inserted into 220V socket) and the voltage is too high, it will turn off internal and output power and will not damage your equipment as a result of high voltage
- **Full low frequency working, no interference to your equipment**
  The AVR is free of any high frequency transforming power circuit and won't cause any high frequency disturbance
- **Output voltmeter indication**
  This series AVR has analog voltmeter giving clear indication of output voltage
- **Lightning surge protecting device**
  It has surge protection device and can effectively absorb 4500 A (8/20μs) and can effectively reduced the damage of thunder strike
- **Multiple Indication LED**
  Green LED light on at normal status, and red LED light on at input low voltage or overheat (same LED)
- **Industrial class output outlet, safe and reliable**
  Output outlets of this AVR is with industrial class outlets, solid and durable and will not melt due to overheat as ordinary injection molding product
- **Dual panel design with high reliability**
  This AVR is in dual-panel design, precisely welded. High resistance to vibration, it gives higher reliability and longer service life
- **High efficiency, high power factor, energy conservation and environment friendly**
  The AVR has efficiency at least 97%, and power factor is better than 0.98. it is the best green energy conservation product.
- **High power factor, compact, safe and elegant**
  This series AVR is made of steel shell, it is good in fire protection. Compact, streamlined appearance, it occupy virtually no space

※ Application:


Office IT Equipment


Personal Computer


Wireless Communication


Information Home Appliance


Retailer POS


Work Station

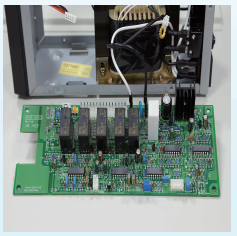
Start Delay Protection

Automatic 4-second start delay for protecting high voltage from output directly

Industrial Class Output Outlets

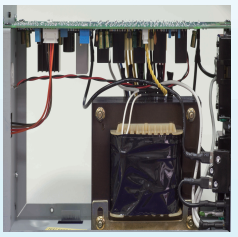
Use industrial flame resistance fire-proof output outlets, relatively safe

With Surge Protection



Equipped with lightning surge protecting element for protecting equipment

No Interference of Low Frequency



Low frequency design keeping equipment from interference of oscillation

Overload / Overheat Protection

Equipped with over load and over heat double protection

Model & Specification:

Model		NU-1200M	NU-2000M	NU-3000M
Capacity	At -17%~+21% At -23%~+30%	1.2KVA/960W 1.2KVA/720W	2KVA/1.6KW 2KVA/1.2KW	3KVA/2.4KW 3KVA/1.8KW
Input	Nominal Voltage	1 ϕ 2W 100/110/115/120VAC or 200/220/230/240VAC		
	Voltage Range	-23%～+30%		
	Frequency	47Hz～63Hz		
Output	Voltage Range	≦5%		
	Outlets	4pcs (non-plastic shaped, won't melt down)		6 pcs (non-plastic shaped, won't melt down)
	Efficiency	>97% (Full load)		
	Overload Capability	200% for 5 seconds		
	Distortion	No Distortion (the same with input waveform)		
	Power Factor	0.6～0.8 (max. value)		
Display	LED	One LED with two colors → normal(green), overheat(red), low voltage(red)		
	Output Voltmeter	Yes (analog type)		
Protection	Output Delay On	Output delay for 4 seconds when turn on		
	Overload, Short Circuit	Cut-off output		
	I/P High, I/P Low	Cut-off output (while problems solved, it will recover automatically)		
	Overheat	Cut-off output (it will recover automatically while temperature decreased 10℃)		
	Surge	Yes (4500A, 8/20us)		
	Zero Transfer	50/60Hz auto identification		
Environment	Temperature	0℃～40℃		
	Humidity	0%～95% (non-condensing)		
	Audible Noise	40db (at 1 meter)		