

# Super-Smart AVR (Three Phase)

## APS three phase series



## Specially for 3 phase CNC industrial equipment

Intelligent logic assemble function programming, it is suitable for all kinds of load and premises. The product lines have complete series and are all CE certified. Also, its with compact size, high efficiency, and easy to operation. Electrical and servo module mass producing, with several patents and anti-mistake circuit design, the producing procedure meet international standard, with high reliability quality and long MTBF.

### Feature:

- Intelligently logic regulation
- Self-detecting function
- Powerful overload 150% ability
- With bypass device and protect function
- Big range high/low voltage protect device
- Phase failure, instant black-out, short circuit protection
- Start over voltage protection
- Independent regulation and protection design
- Full series with the same control system and multi anti-mistake circuit design
- Front panel with LED indicator displayed AVR regulating status
- With O/P voltmeter to monitor O/P voltage
- With dip sw. and easy for setting
- Electronics double circuitry switch design
- Separated voltage regulation design, 3 phase unbalance 100%
- Taiwan patent no. 160215, 162577
- China patent no. 125595, 390066
- Double overload and short circuit protection

### ✧ Application:



PCB Drilling Machine



Integrated Processing Machine



SMT



EDM



Milling Machine



AI Component Inserting Machine

Model No. (APS-)	3120 X/N	3150 X/N	3200 X/N	3250 X/N	3300 X/N	3400 X/N	3500 X/N	3600 X/N	3750 X/N	31000 X/N
Capacity (KVA)	120	150	200	250	300	400	500	600	750	1000
Voltage	X2:3 ϕ 3W 220V series X3:3 ϕ 3W 380V series X4:3 ϕ 3W 415V series N1:3 ϕ 4W 110/190V series N2:3 ϕ 4W 220/380V series (indicate phase voltage) N3:3 ϕ 4W 220/380V series (indicate line voltage)									
Input Range	Nominal Voltage: ±15% (±10%,±20%,±25% can be customized)									
Frequency	50/60Hz   ±5%									
Output Accuracy	≤ 1%									
Power Factor	0.95 ~ 1									
Efficiency	≥ 98%									
Response Time	< 0.1 Second									
Waveform Distortion	No distortion									
Protection	High Voltage	Standard Feature (can be Various / Multi / Big range pre-set and LED displayed)								
	Low Voltage	Standard Feature (can be Various / Multi / Big range pre-set and LED displayed)								
	Phase Failure	Standard Feature (can be Various / Multi / Big range pre-set and LED displayed)								
Bypass	Standard Feature (with High / Low Voltage, Phase Failure, Instant Black-Out Protection at work)									
Indicators	Power	Standard Feature								
	Voltage	Standard Feature								
	Abnormal	Standard Feature								
Overload	150% for 10 seconds									
Environment	Temperature: 0℃ ～45℃     Humidity: 0%～95% RH (Non-Condensing)									