



# Automatic Voltage Regulator

## Super smart AVR

*Intelligent Microprocessor Logic Circuit Control*



### Application >>

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

# High Accuracy Intelligently Humanized Super Smart AVR

## Intelligently logic regulation :

The powerful PS series can completely adjust the regulating speed and regulation range in accordance with power's variation and the load character on the spot by a precise and unique motor to gain the most satisfactory power regulation required

## Separate regulators design :

Whenever AC power encounters three phase unbalanced, non-linear power or heavy load, the "Separate regulators" will still maintain its accurate output

## Self detect function design :

The self detect result is displayed by digital meter and light indicators providing an immediate, exact malfunction information to users making maintenance more easy

## Powerful overload capability :

The PS series are specially designed to withstand 150% of its nominal load and cause nothing to output voltage, no voltage decrease will happen

## Start over voltage protection :

Whether it is switch on or recovers from power outage, the "Start over voltage protection" will always to start from low voltage to protect the load side equipment

## Phase failure protection :

If there are any failure within three phase power, PS series will immediately complete the detect and have it displayed and trip off to protect the load side equipment

## By pass device :

The PS series can still provide High/Low voltage protection, Phase failure protection and all the other featured when it is in status of By pass under maintenance or repairing

## Specification :

Model	PS-310	PS-315	PS-320	PS-330	PS-345	PS-360	PS-375	PS-3100	PS-3120	PS-3150	PS-3180	PS-3200	PS-3250	PS-3300	
Capacity	10k	15k	20k	30k	45k	60k	75k	100k	120k	150k	180k	200k	250k	300k	
Voltage	X2 : 3 phase 3 wire 200Vac or 220Vac (same input,output) X3 : 3 phase 3 wire 380Vac or 400Vac (same input,output) X4 : 3 phase 3 wire 415Vac or 440Vac (same input,output) Y : input 3 phase 3 wire 380Vac, output 3 phase 3 wire 200Vac or 220Vac (input/output different) Y2 : input 3 phase 3 wire 380Vac, output 3 phase 4 wire 127/220Vac or 220/380Vac or 240/415Vac (input/output different) N1 : 3 phase 4 wire 110/190Vac (same input,output) N2 : 3 phase 4 wire 220/380Vac (same input,output) NY : input and output are all 3 phase 4 wire but														
Input range	±15%, ±20%, ±25% 50/60Hz±5%														
Regulation	≤1%														
Power factor	0.95 ~ 1														
Efficiency	≥98%														
Response time	0.1 second														
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) By pass : standard feature (with phase failure, instant trip, high/low voltage protection at work)														
Indicators	Power : standard feature Voltage : standard feature Abnormal : standard feature														
Display	digital voltmeter and digital ampmeter														
Overload	150% 10 second														
Environment	temperature : 0°C ~ 45°C , humidity : 0~95% RH														
Dimension (WxHxD)															
X2,N2	30x55x59 cm			38x67x78 cm			49x80x99 cm			50x90x100 cm			50x130x100 cm		
X3,X4	30x55x59 cm			38x67x78 cm			49x80x99 cm			50x90x100 cm			50x130x100 cm		
Y,Y2	30x92x59 cm			38x130x78 cm			(49x80x99)x2			(50x90x100)x2			—		
Weight (kg)															
X2,N2	65	72	79	92	140	166	225	225	300	350	455	500	650	700	
X3,X4	80	80	85	115	142	215	235	265	285	324	458	510	610	650	
Y	117	142	160	183	282	335	437	493	608	709	—				
Y2	140	170	207	238	358	475	545	755	910	1010	—				

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