SUPER-SMART AVR

ISO 9001國際品質認證

PS-310~PS3200 X/Y Type *PS SERIES 3ϕ*

- Military research & defense weapons
- Compute and computer peripherals
- Electronics and medical equipment
- TV & radio broadcasting stations
- Medical monitoring system
- Auto-testing equipment
- Safe-gurad system
- Lab instrument
- Production line
- Communication
- Video and audio
- CNC / SMT / OA equipment
- POS terminal
- Generator
- Elevator
- CAD / CAM

SPECIFICATIONS

●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.

●Innovative Panel Design:
Almost every average user who considers AVR only on one of the power products seldom pays too much attention to the motor's mading to confirm its nominal reading. To renovate the traditional meter reading, this Super-Smart AVR provides user a very clear reading only by checking the indicators' colors to realize it is normal or abnormal. The green indicator stands for normal, red indicator shows abnormal.

●Start Over Voltage Protection (SOVP):
Whether it is switch on or recovers front power outage, the Start Over Voltage Protection will always to start from low voltage to protect the load side equipment.

●Humanized Anti-Mistake Circuit Design:
To prevent from inappropriate operation or touch by which causing AC output switch ON or AC output switch OFF, Super-Smart has a very delicate Electronic Double-Circuit Control design, one must simultaneously push two ONs or two OFFs to start or shut down the Super-Smart AVR.

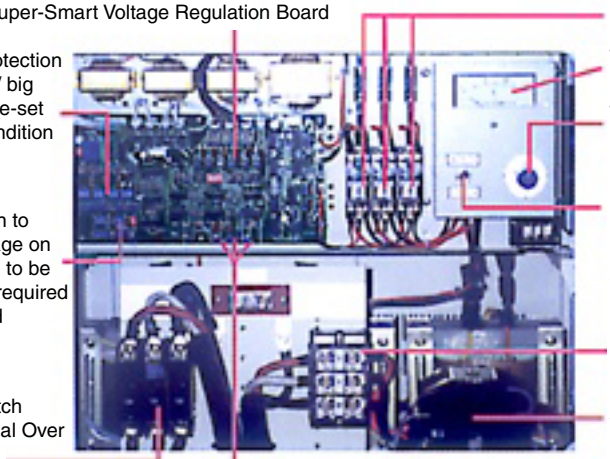
●Big Range High / Low Voltage Protection:
Whatever the load side it may be like, for instance, heavy load equipment or precise equipment, even there is a very massive power variation, the Super-Smart AVR has a very special feature design of Various/ Multi/ Big range Select to pre-set the most appropriate and precise adjustment in accordance with the load requirement.

Super-Smart Voltage Regulation Board

High / Low Voltage Protection has on various / multi / big range select can be pre-set to suit various load condition very precisely.

Intelligent mode built-in to match up various voltage on the spot, it is designed to be easily adjusted to the required mode and the required response time as well.

Concealed Power Switch equipped with additional Over Load Protection.



Three Phase Short-Circuit Protection

Three Phase Voltage Meter

Three Phase Voltage Selection Knob

Electronic By-pass Switch, equipped with High / Low Voltage Prelection and Phase Failure Protection even during By-pass status.

Output Terminal.

Abnormal Voltage Trip Device.

The most precise type Output Voltage Adjustment Knob

●Phase-Failure Protection:
If there is any failure within three phase power, the Super-Smart AVR will immediately complete the detect and have it displayed and trip off the protect the load side equipment.

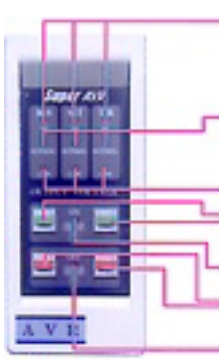
●Instant Trip Design:
This Instant Trip Design will always trip before AC recovers from an instant black-out, it features a re-set function making sure a stable power is in operation again while AC power gets back to normal. The purpose of this design is to protect the load equipment from damaging by a frequently happened abnormal high voltage.

●By-Pass Device:
The Super-Smart AVR can still provide High/Low Voltage Protection, Phase-Failure Protection ... and all the other featured Protection when it is in status of By-Pass under maintenance or repaining.

●All Module Design:
All the technical design inside the Super-Smart AVR is of Module Designed and separately assembled, components used on PCB are very stringently quality controlled and tested by computerized ICT Auto-self-Detect plus 100% MTBF test providing the most satisfactory quality reliability.

●Self-Detect Function Design:
The Self-Detect result is displayed by light indicators providing an immediate, exact malfunction information to users making maintenance more easy and efficient.

●Powerful Overload Capability:
The Super-Smart AVR is specially designed to withstand 150% of its nominal load and cause nothing to output voltage, no voltage decrease will happen.



Three phase Output Over Voltage Indicator (Red)

Three phase normal Output Voltage Indicator (Green)

Three phase Low Output Voltage Indicator (Red)

Electronic Double-Circuit O/P ON Switch

AC Output Indicator (Green)

Electronic Double-Circuit O/P OFF Switch

AC Output OFF Indicator (Red)

THREE PHASE AVR:

Model No.		PS-310 X/Y	PS-315 X/Y	PS-320 X/Y	PS-330 X/Y	PS-345 X/Y	PS-360 X/Y	PS-375 X/Y	PS-3100 X/Y	PS-3120 X/Y	PS-3150 X/Y	PS-3180 X/Y	PS-3200 X/Y
Capacity		**10KVA**	**15KVA**	**20KVA**	**30KVA**	**45KVA**	**60KVA**	**75KVA**	**100KVA**	**120KVA**	**150KVA**	**180KVA**	**200KVA**
Voltage		X1: 3φ3ω190V system or 3φ4ω110V/190V system (Input and Output are the same) X2: 3φ3ω220V system or 3φ4ω127V/220V system (Input and Output are the same) X3: 3φ3ω380V system or 3φ4ω220V/380V system (Input and Output are the same) X4: 3φ3ω415V system or 3φ4ω240V/415V system (Input and Output are the same) Y2: Input 3φ3ω220V or 380V or 415V Ouput 3φ3ω220V system or 3φ4ω127V/220V system (Input and Output are different) Y3: Input 3φ3ω220V or 380V or 415V Ouput 3φ3ω380V system or 3φ4ω220V/380V system (Input and Output are different) Y4: Input 3φ3ω220V or 380V or 415V Ouput 3φ3ω415V system or 3φ4ω240V/415V system (Input and Output are different) ※All Y TYPE are with Isolated Transformer added.											
Frequency		±15% 50/60HZ +5%											
Power Factor		0.95~1											
Efficiency		≧98%											
Response Time		0.1 sec.											
Distortion		less than 1%											
Protection	High Voltage	Standard Feature (can be Various/Multi/Big range pre-set)											
	Low Voltage	Standard Feature (can be Various/Multi/Big range pre-set)											
	Phase-Failure	Standard Feature											
	Oy-Pass	Standard Feature (with Phase-Failure, High/Low Voltage Protection at work)											
Indicators		Standard Feature											
		Standard Feature											
		Standard Feature											
Over Load		150% 10 sec.											
Temperature		0℃~45℃											
Humidity		0~95% RH											
Dimension WXHXD(cm)	X1X2	30X55X59				38X67X78		49X80X99		50X80X100		50X100X100	
	X3X4	30X55X59			38X67X70		49X80X99		50X90X100			50X100X100	
	Y2	30X92X59				38X130X78		(49X80X99)x2		(50X100X100)X2		(50X130X100)+ (10X105X100)	
	Y3Y4	30X92X59			38X130X78		(49X80X99)X2		(50X90X100)X2			(50X130X100)+ (10X105X100)	
Weight(KG)	X TYPE	66	73	77	89	155	190	250	300	360	430	455	500
	Y TYPE	140	170	207	220	358	475	250+320	300+500	360+610	430+660	455+800	500+880

SINGLE PHASE AVR:

Model No.		PS-102 AS/BS/CS	PS-103 AS/BS/CS	PS-105 AS/BS/CS	PS-107 AS/BS/CS	PS-110 AS/BS/CS	PS-115 AS/BS/CS	PS-120 AS/BS/CS	PS-130 AS/BS/CS
Capacity		**2KVA**	**3KVA**	**5KVA**	**7.5KVA**	**10KVA**	**15KVA**	**20KVA**	**30KVA**
Voltage		AS: 1φ2ω100V or 110V or 115V or 120V (Input and Output are the same) BS: 1φ2ω200V or 220V or 290V or 240V (Input and Output are the same) CS: 1φ2ω220V or 1φ 3ω110V or 220V system (Input and Output are different) ※All C TYPE are with Isolated Transformer added.							
Frequency		±15% 50/60HZ +5%							
Power Factor		≦1%							
Efficiency		≧98%							
Response Time		0.1 sec.							
Distortion		less than 1%							
Protection	High Voltage	Options							
	Over Load	Standard Feature							
	By Pass	Standard Feature						Options	
Indicators	Voltage Motor	Standard Feature							
	Ampere Motor	--						Standard Feature	
Over Load		150% 10 sec.							
Temperature		0°C~45°C							
Humidity		0~95% RH							
Dimension WXHXD(cm)	AS	21X29X42				27X46X49		41X58X51	60X70X60
	BS	20X17X24		21X29X42			27X46X49		50X70X60
	CS	20X38X24		21X61X42			41X58X51	50X70X60	
Weight(KG)	AS	18	22	24	26	37	56	78	91
	BS	8	9	23	25	28	54	66	81
	CS	27	37	57	76	82	155	180	245