Intelligent High Power AVR (Three Phase)

PSN series

CE

Specially for whole plant power equipment

Intelligent High Power Automatic Voltage Regulator with large capacity sectional and divisional design, it is suitable for entire plant voltage regulation. Combining with distribution panel, it is very convenient to build to the site. Electrical and mechanical monitoring / feedback / warning and remote contact as well as high power surge supressor, it meets international standard IEEE587 specification.

Feature:

- Input range is ±15% (±10%~±40% can be customized)
- Output accuracy is within ±1%
- Self-detecting function and intelligent logic voltage regulation design
- No distortion, regulation is accuracy and won't oscillate
- Overload, short circuit protect warning function
- Start over voltage protection
- Powerful overload 150% ability

- High Efficiency ≧98%
- With O/P voltmeter to monitor O/P voltage
- Continuous stepless regulator design, three phase independent control
- Front panel with LED indicator displayed
- Each phase and each section with bypass function
- Each phase with high rating M.O.V. device
- Fault warning: LED (red) and alarm (with mute button)

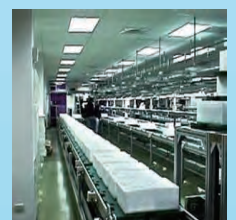## ※ Application:

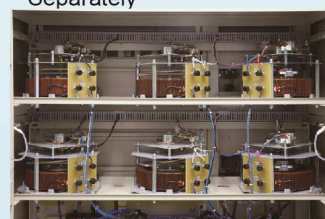| SMT Equipment | Laboratory Equipment | Control Room | Industrial Automation | Base Station | Production Line |

Logic Assemble Function Programming

Adopt with multilayer and big range DIP SW logic assemble design, include high/low voltage, delay, quick regulating and O/P accuracy setting. All setting can operate and select easier, user can pre-set the most appropriate adjustment in accordance with the load requirement

Monitor / Feedback / Buzzer/ Dry Contact

Output voltmeter monitor three phase voltage. With individual three phase feedback power and output monitor terminal block, buzzer, mute switch and remote dry contact

Electronic Bypass Design for Each Phase and Section

Each phase and each section available separate with their own bypass switch, even under bypass condition which still keep the high/low voltage and phase loss warning function

Innovative Panel Design

The display panel provides user a clear viewing which also may seen the indicator's color to realize normal or abnormal. The green LED stands for normal, the red LED with buzzer shown abnormal

SOVP Device

Whether it is switched on or recover from power outage, the Start Over Voltage Protection will always re-start from low voltage, won't have high voltage output

3 Phase Detect & Regulated Separately

PSN's design is good to detect and adjust three phase individually, the high accurate regulation, output voltage won't oscillation

Model & Specification:

Model No. (PSN-)	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	31200 X/N	31500 X/N
Capacity (KVA)	150	200	250	300	400	500	600	750	1000	1200	1500
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	±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 Sec.										
Waveform Distortion	No distortion (the same with input waveform)										
Warning — High Voltage	Standard Feature (can be Various / Multi / Big range pre-set and LED displayed)										
Warning — Low Voltage	Standard Feature (can be Various / Multi / Big range pre-set and LED displayed)										
Warning — Phase Failure	Standard Feature (can be Various / Multi / Big range pre-set and LED displayed)										
Bypass	Standard Feature (with Phase Failure, High / Low Voltage warning function at work)										
Indicators — Power	Standard Feature										
Indicators — Voltage	Standard Feature										
Indicators — Abnormal	Standard Feature										
Overload	150% for 10 seconds										
Environment	Temperature: 0℃～45℃ Humidity: 0%～95% RH (Non-Condensing)										