Super-Smart AVR (Three Phase Outdoor Type)

PSO three phase series





Specially for outdoor 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 easier 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
- Independent regulation and protection design
- Phase failure, instant black-out, short circuit protection
- With bypass device and protect function
- Big Range high/low voltage protect device
- Start over voltage protection
- Full series with the same control system and multi anti-mistake circuit design

- Powerful overload 150% ability
- With O/P voltmeter to monitor O/P voltage
- With dip sw. and easier for setting
- Separated voltage regulation design, 3 phase unbalance 100%
- Taiwan patent no. 160215, 162577
- China patent no. 125595, 390066
- Double overload and short circuit protection
- With surge suppressor/LC filter/EMI filter (option) to provide pure power.

Application:



Base Station



Outdoor Electric Equipment



Communicating Equipment



Bridge

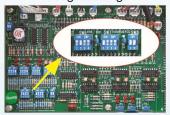


Resort



Park Electric Equipment

Logic Assemble Function Programming



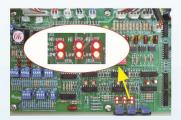
Adopt with multilayer and big range DIP SW logic assemble design, include high/low voltage, delay, quick regulating and O/P accuracy setting. All setting can operate and select easier, user can pre-set the most appropriate adjustment in accordance with the load requirement

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

Self-Detecting Function



Each time during the unit turn on the AVR, fast detect utility and itself whether under protect setting quickly, then supply precise voltage to the equipment

With Surge Protection



With lightning and surge protect function (only few models have)

Separated Regulation



Three phase separate regulators design

I/P & O/P Wires Protection



Wiring fixed, I/P, O/P wires well sealed, stable & safety

Bypass & Indication



With three phase voltage indicator and bypass device

H Class Protection



With Class H insulation materials transformer

Model & Specification:

	el No. SO-)	310 X/N/Y	315 X/N/Y	320 X/N/Y	330 X/N/Y	345 X/N/Y	360 X/N/Y	375 X/N/Y	3100 X/N/Y	3120 X/N/Y	3150 X/N	3180 X/N	3200 X/N
Capacity (KVA)		10	15	20	30	45	60	75	100	120	150	180	200
Voltage		$X2:3\ \phi\ 3W\ 220V\ series$ $X3:3\ \phi\ 3W\ 380V\ series$ $X4:3\ \phi\ 3W\ 415V\ series$ $X3:3\ \phi\ 4W\ 220/380V\ series\ (Indicate\ phase\ voltage)$ $X4:3\ \phi\ 3W\ 415V\ series$ $X3:3\ \phi\ 4W\ 220/380V\ series\ (Indicate\ phase\ voltage)$ $Y: Input\ 3\ \phi\ 3W\ 380V,\ Output\ 3\ \phi\ 3W\ 220V\ (with\ auto\ type\ transformer)$ $Y0:Y\ type\ with\ special\ specification$ $Y2: Input\ 3\ \phi\ 3W \qquad ,\ Output\ 3\ \phi\ 4W \qquad (with\ isolated\ type\ transformer)$ $Y5:Y2\ type\ with\ special\ specification$											
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°C ~45°C Humidity: 0%~95% RH (Non-Condensing)											