

APS-AVR 1P

Fully Automatic AC Servo Voltage Stabilisers
1kVA – 50kVA



ABOUT PRODUCT

The APS – AVR 1P is a voltage regulator with a servo drive structure, microcontroller topology and heavy duty devices which regulate mains voltage for critical loads. The APS AVR 1P can be used for any single phase application and is designed for harsh or industrial environments where voltage is not stable. The APS- AVR 1P is capable of regulating wide voltage swings ensuring loads are not subjected to high or low voltage feed which can result in failure of equipment.

MAIN FEATURES

- 1 phase in/ 1 phase out (1-50 kVA)
- Single phase voltage stabilisers
- Non-linear charges drive
- 1 phase input 1 phase output
- Wide power and voltage interval
- Fast regulation
- High reliability- microprocessor and smart driver
- High efficiency
- Load transfer to bypass via pole change switch
- Safe and economic usage
- Overcurrent and overload protection (Optional)
- Digitally displayed status, input and output measurements
- 2 year warranty



TECHNICAL SPECIFICATIONS

Model	1101	1102	1103	1105	1107	1110	1115	1120	1125	1130	1140	1150
Power kVA	1	2	3.5	5	7.5	10	15	20	25	30	40	50
Regulator Input												
In. Vol. Correct Interval	160 - 260 VAC											
In. Vol. Working Interval	90 - 285 VAC											
Operation Frequency	Overcurrent, Low and High Voltage Protection											
Regulator Output												
Output Voltage	220/ 230/ 240 VAC RMS \pm 2%											
Overloading	10 Sec. 200% load											
Correction Speed	~ 90 Volt / Sec											
Upturn Period	~ 90 Volt / Sec. (160 VAC - 260 VAC)											
Output Protection	Protects load by opening the circuit when overburdened- short circuit will occur											
Working Principle	Servo Motor, Microprocessor Controlled, Fully Automatic											
General												
Cooling	Smart Fan System											
Measured Value Monitor	Delta True RMS Panel Voltmeter (74 x 74 mm) output voltage and line voltage monitorisation											
Total Harmonic Distortion	-											
Total Efficiency	> 96%											
Mechanical Bypass	Manually controlled line- PAKO switch selects voltage regulator, Switches on and off											
Protection Level	IP 20/ IP 25											
Environmental												
Working Temperature	-10°C - 50°C											
Storage Temperature	-25°C - 60°C											
Relative Humidity	< 90% DIN (40040)											
Working Altitude	< 2000m											
Acoustic Level	< 50 dB (1 metersquare)											



1/16 Juna Drive, Malaga, WA 6090, Australia

P +61 8 9248 6398 M +61 410 365 289 E marco@antipodespower.com
www.antipodespower.com

ABN 11 616 890 183