

## IPUA05A

### Generator Automatic Voltage Regulator 5 Amp

5 Amp self excited brushless type genset voltage regulator is an universal AVR and compatible replacement for Basler KR7, Mecc Alte SR7-1 / SR7-2 and Marelli Motori M16FA655A-MARK V regulators.



## Features

- $< \pm 0.5\%$  Regulation
- 220/380/440 VAC Programmable Input
- Rugged Compact Design
- With Under Frequency Protection
- Soft Start Voltage Ramping
- EMI Suppression
- Built-in High Capacity 5 Amp Fuse

## Specification

<b>Sensing Input</b>	Voltage 220/380/440 VAC, 1 Phase 2 Wire, DIP Switch Selectable, Frequency 50/60 Hz, DIP Switch Selectable
<b>Power Input</b>	Voltage 100~300 VAC, 1 Phase 2 Wire
<b>Output</b>	Voltage Max. 90 VDC @ 240 VAC input, Current Continuous 5A, Intermittent 7A for 10 sec. Resistance Min. $12\Omega$ , Max. $100\Omega$
<b>Volts Regulation</b>	$< \pm 0.5\%$ (with 4% engine governing)
<b>Voltage Build-up</b>	Residual volts at AVR terminal $> 5$ VAC
<b>External Volts Adjustment</b>	7% with 1 K $\Omega$ 1 watt trimmer
<b>Soft Start Ramp Time</b>	2 sec.
<b>Unit Power Dissipation</b>	Max. 8 Watt
<b>EMI Suppression</b>	Internal Electromagnetic Interference Filtering

## IPUA05A Specification (cont)

<b>Thermal Drift</b>	0.03% per °C change in AVR ambient
<b>Under Frequency Protection</b>	60 Hz system presets knee point at 55 Hz (Factory Settings) 50 Hz system presets knee point at 45 Hz (Factory Settings)
<b>Environment</b>	Operating Temperature : -40~70 °C Storage Temperature : -40~85 °C Relative Humidity : Maximum 95% Vibration : 3G @ 100~2 KHz
<b>AVR Controls Function</b>	VOLTS : Voltage Adjustment STAB : Stability Adjustment U/F : To Set the U/F Knee Point (U/F: Under Frequency Protection)
<b>Dimensions</b>	101.0(L) x 69.0(W) x 47.5(H) mm
<b>Weight</b>	183 g ± 2%
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