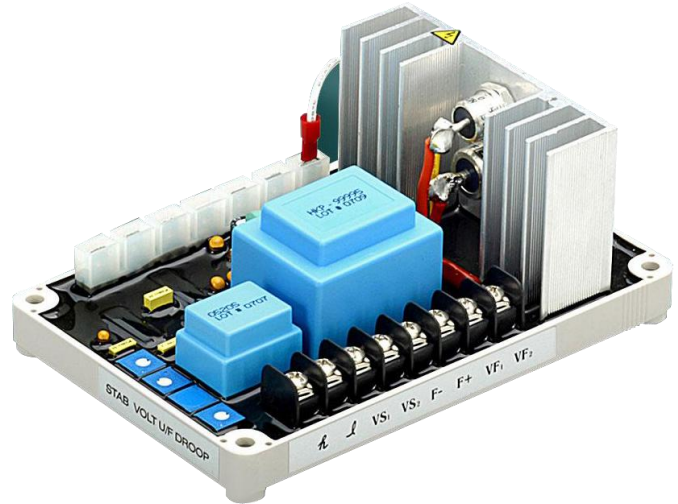


## IPIUA15A

### Automatic Voltage Regulator 15 Amp (Parallel Applicable)

15 Amp self excited brushless type genset voltage regulator is a universal AVR and compatible replacement for Mecc Alte UVR6, Marelli Motori M40FA640A-MARK I and Caterpillar AVR.



## Features

- <math>\pm 5\%</math> Regulation
- Senses Input Voltage 220/380/440/480 VAC
- Can be used in Parallel Operation
- Simple 50/60 Hz U/F Programming
- Soft Start Voltage Ramping
- With Under Frequency Protection
- Built-in High Breaking Capacity Fuse

## Specification

<b>Sensing Input</b>	Voltage 220/380/440/480 VAC, 1 Phase 2 Wire, Jumper Selectable Frequency 50/60 Hz, Jumper 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 15A, Intermittent 20A for 10 sec. Resistance Min. 9 $\Omega$ @ 35 Volts Output
<b>Volts Regulation</b>	<math>\pm 0.5\%</math> (with 4% engine governing)
<b>Voltage Build-up</b>	Residual Volt. at AVR Terminal > 5 VAC
<b>External Volts Adjustment</b>	$\pm 15\%$ with 5 K $\Omega$ 1 Watt trimmer
<b>Soft Start Ramp Time</b>	2 sec.
<b>Unit Power Dissipation</b>	Max. 10 Watt

## IPUA15A 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 : 3.3G @ 100~2 KHz
<b>AVR Controls Functions</b>	VOLTS : To Adjust Voltage STAB : To Adjust Stability U/F : To Set the U/F Knee Point (U/F: Under Frequency Protection) DROOP : To Adjust Droop
<b>Dimensions</b>	150.0(L) x 100.0(W) x 64.0(H) mm
<b>Weight</b>	600 g ± 2%
<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)

(UNIT : mm)

