

EA16A

Universal 16 Amp 1/2 Wave Self Excited Automatic Voltage Regulator - Can Be Used In Parallel Operation

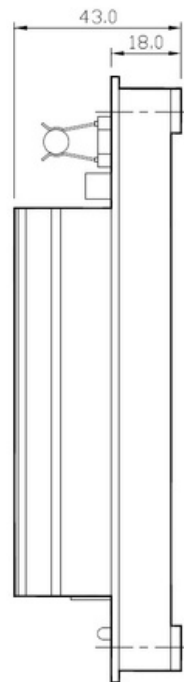
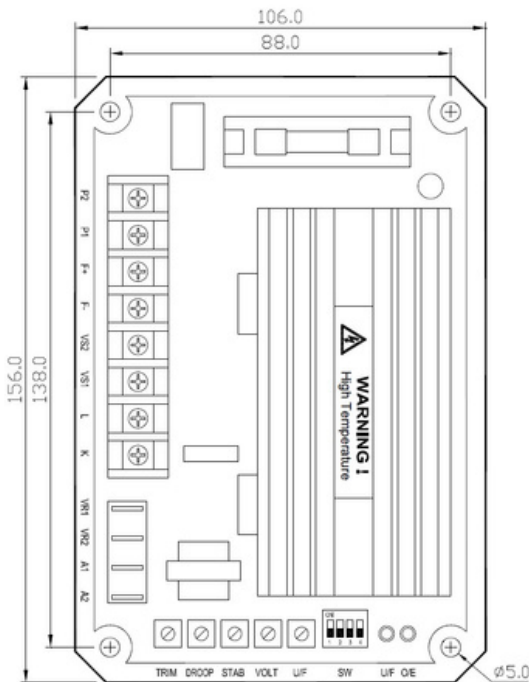
- Voltage Regulation < $\pm 0.5\%$
- Suitable For Brushless Type Generator
- Sensing Input 170–510 Vac
- Can Be Used In Parallel Operation
- 16 ADC Current Output
- Suitable Frequency 50/60 Hz
- Soft Start Voltage Ramping
- Load CT Current Compensation, Analogue Voltage Input

Compatible with Mecc Alte UVR6, Marelli Motori M40FA640A-MARK I and Caterpillar AVR

Specifications

Sensing Input	Voltage - 170–510 Vac, 1 phase, 2 wire	Ext. Volts Adjustment	$\pm 5\%$ with 2 K Ω 1 watt trimmer
	Frequency - 50/60 Hz	Unit Power Dissipation	Max. 10 watt
Power Input	Voltage - 60–300 Vac, 1 phase, 2 wire	Under Frequency Protection	55 Hz @ 60 Hz / 45 Hz @ 55 Hz
Output	Voltage - Max. 90 Vdc @ 240 Vac input		(Adjustable)
	Current - Continuous 16A, intermittent 20A for 10 sec.	CT Current Compensation Input	1A or 5A (Selectable)
	Resistance - Min. 6 Ω @ 35 Vdc	Analogue Input	± 5 Vdc $\pm 10\%$ @ ± 3 Vdc
Volts Regulation	< $\pm 0.5\%$ (with 4% engine governing)	Environment	Operation Temperature -40 - +70 °C
Build Up Voltage	Residual volts at AVR terminal > 5 Vac		Storage Temperature -40 - +85 °C
Thermal Drift	0.03% per°C change in AVR ambient		Relative Humidity Max. 95%
			Vibration 3.3Gs @ 100-2K Hz

Mechanical Specifications



AVR Control Function

VOLT	Voltage Adjustment
STAB	Stability Adjustment
U/F*1	To Set the U/F Knee Point To
DROOP	Adjust Droop
TRIM	Analogue Input Adjustment
	*1 U/F : Under Frequency protection

Physical Specification

Dimensions	156.0 (L) x 106.0 (W) x 43.0 (H) mm
Weight	450 g $\pm 2\%$

