

# EA460

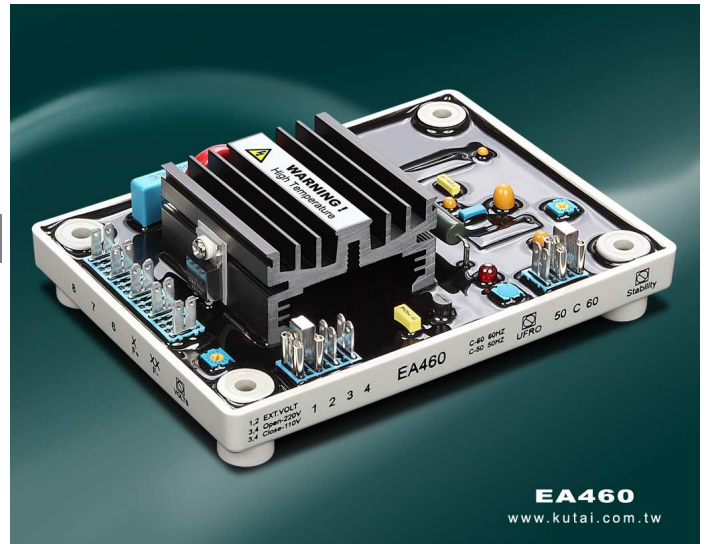
## Self Excited Automatic Voltage Regulator

Compatible with Newage\* Stamford SX460 regulator

\*All manufacturer names, numbers, symbols and descriptions are used for reference purpose only and do not imply that any part is the product of these manufacturer.

### Features

- Voltage Regulation  $< \pm 1\%$
- Soft Start Voltage Ramping
- Sensing Voltage Loss Protection
- 120 or 240 VAC Sensing, Jumper Selectable
- Under Frequency Roll Off Protection
- With Under Frequency LED Indicator



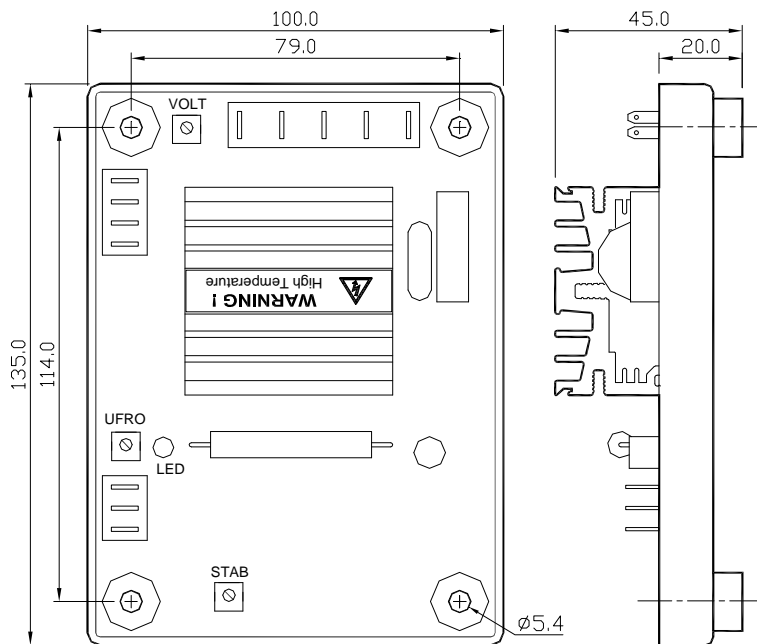
### Specifications

<b>Sensing Input</b>	Voltage 120 (95~132) or 240 (190~264)VAC 1 phase 2 wire jumper selectable Frequency 50/60 Hz jumper selectable	<b>Voltage Build-up</b>	Residual volts at AVR terminal $> 5$ VAC
<b>Output</b>	Voltage Max. 90 VDC at 207 VAC input Current Continuous 4A Intermittent 10A for 10 sec. Resistance Min. 15 $\Omega$	<b>Soft Start Ramp Time</b>	2 sec.
<b>Voltage Regulation</b>	$< \pm 1\%$ (with 4% engine governing)	<b>External Volts Adjustment</b>	$\pm 7\%$ with 1 K $\Omega$ 1 watt trimmer
		<b>Unit Power Dissipation</b>	Max. 10 watt
		<b>Thermal Drift</b>	0.05% per $^{\circ}\text{C}$ change in AVR ambient
		<b>Under Frequency Protection</b>	Set point 95% Hz Slope 170% down to 30 Hz (Factory Setting)

### Environment

<b>Operation Temperature</b>	-40~70 $^{\circ}\text{C}$	<b>Relative Humidity</b>	Maximum 95%
<b>Storage Temperature</b>	-40~85 $^{\circ}\text{C}$	<b>Vibration</b>	3.3G @ 100~2 KHz

### Mechanical Specifications (Unit : mm)



### AVR Control Function

<b>VOLT</b>	Voltage Adjustment
<b>STAB</b>	Stability Adjustment
<b>UFRO</b>	UFRO Knee Point Set

### Physical Specification

<b>Dimensions</b>	135.0 (L) x 100.0 (W) x 45.0 (H) mm
<b>Weight</b>	243 g $\pm 2\%$



固也泰電子工業有限公司  
KUTAI ELECTRONICS INDUSTRY CO., LTD.



TEL: +886-7-8121771 FAX: +886-7-8121775

Head Office: No.3, Lane 201, Chien Fu St., Chyan Jenn Dist., Kaohsiung, TAIWAN  
Please link to <http://www.kutai.com.tw> for detailed manual.