

# EA04C

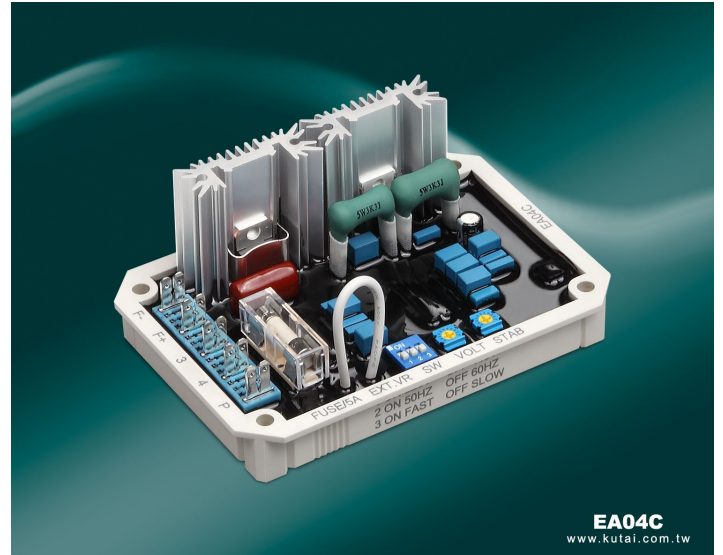
## Self Excited Automatic Voltage Regulator 63Vdc 4Amp

Sensing Input 160 to 265 Vac / 300 or 550 Vac 50/60 Hz

Compatible replacement for Basler VR63-4, VR63-4A and Marathon SE100A

### Features

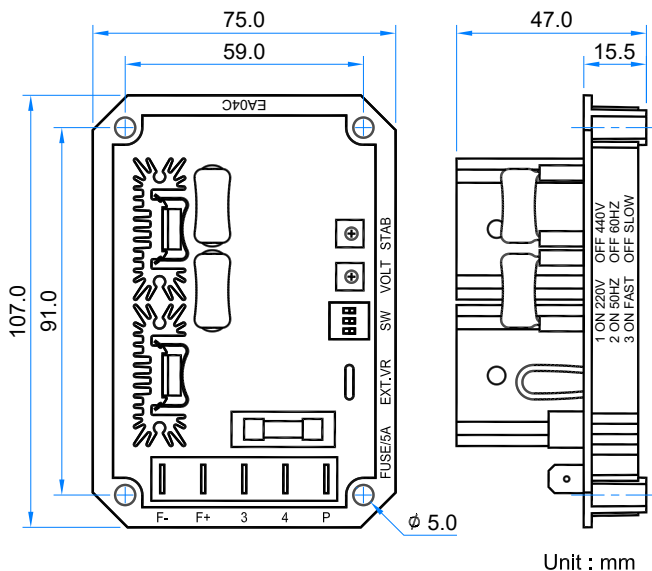
- Voltage regulation less than +/-1%
- Sensing input 160 to 265 Vac / 300 to 550 Vac 50/60 Hz
- For use in 50/60 Hz brushless generator
- Under frequency & over excitation protection
- EMI suppression
- Built-in high breaking capacity fuse
- Use with KUTAI EP200 Paralleling Module for parallel operation



### Specifications

<b>Sensing Input</b>	Voltage 160 to 265 Vac / 300 to 550 Vac 1 phase	<b>Thermal Drift</b>	0.05% per °C change in AVR ambient
	Frequency 50/60 Hz selectable	<b>External Volts Adjustment</b>	+/-15% with 1K ohm 1 watt trimmer
<b>Power Input</b>	Voltage 90 to 270 Vac 1 phase	<b>EMI Suppression</b>	Internal electromagnetic interference filtering
<b>Output</b>	Voltage Max. 63 Vdc @ 240 Vac input	<b>Unit Power Dissipation</b>	Max. 8 watts
	Current Continuous 4A Intermittent 7A for 60 seconds	<b>Under Frequency Protection (Factory Presets)</b>	50 Hz system presets knee point at 45 Hz
	Resistance Min. 15 ohms Max. 100 ohms		60 Hz system presets knee point at 55 Hz
<b>Voltage Regulation</b>	Less than +/-1% (with 4% engine governing)	<b>Over Excitation Shutdown</b>	Field volts shut down after a time delay if exciter field volts exceed 100 +/-5 Vdc
<b>Build Up Voltage</b>	Residual volts at AVR terminal > 5 Vac		

### Dimensions



### AVR Control Functions

<b>VOLT</b>	Voltage adjustment
<b>STAB</b>	Stability adjustment
<b>SW</b>	Voltage or frequency selectable
<b>VAR</b>	Ex. VR

### Environment

<b>Operating Temperature</b>	-40 to +60 °C
<b>Storage Temperature</b>	-40 to +85 °C
<b>Relative Humidity</b>	Max. 95%
<b>Vibration</b>	1.5 Gs @ 5 to 30 Hz 5.0 Gs @ 30 to 500 Hz

### Physical Specifications

<b>Dimensions</b>	107.0 (L) x 75.0 (W) x 47.0 (H) mm
<b>Weight</b>	175 g +/-2%

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



**KUTAI ELECTRONICS INDUSTRY CO., LTD.**  
 TEL : +886-7-8121771 FAX : +886-7-8121775 Website : [www.kutai.com.tw](http://www.kutai.com.tw)  
 Headquarters : No.3, Ln. 201, Qianfu St., Qianzhen Dist., Kaohsiung City 80664, Taiwan

