

# EA448

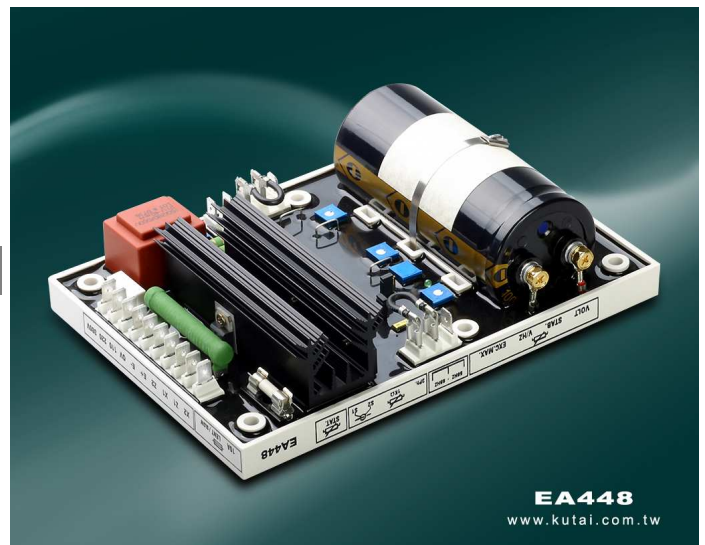
## Permanent Magnet Generator or A.R.E.P or Auxiliary Winding Type

Compatible with Leroy Somer\* R448, R449 and R438 regulators

\*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  $< \pm 0.5\%$
- Load Acceptance Module (LAM)
- 50/60 Hz Selectable
- Under Frequency & Exc. Max Protection
- Single Phase Or Three Phase Voltage Sensing Optional
- Soft Start Voltage Ramping
- Normal Rapid Response Time (Option)



**EA448**  
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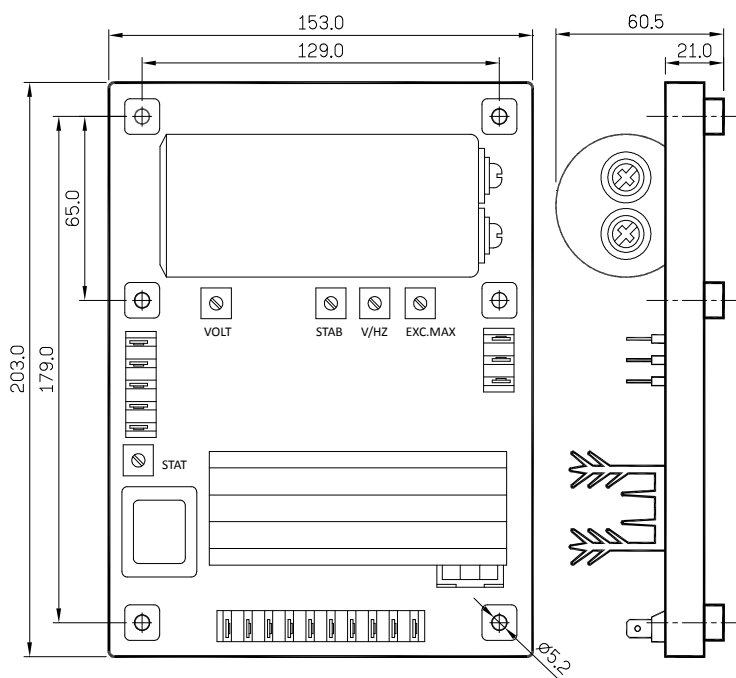
### Specifications

<b>Sensing Input</b>	Terminal	0-110V = 95~140V	<b>Voltage Regulation</b>	$< \pm 0.5\%$ (with 4% engine governing)
	Terminal	0-220V = 170~260V	<b>Voltage Build-up</b>	Residual volts at AVR terminal $> 5$ VAC
	Terminal	0-380V = 340~520V	<b>Voltage Output</b>	Max. 160 VDC @ 120 VAC
	Frequency	50/60 Hz selectable	<b>External Voltage Adjustment</b>	$\pm 10\%$ with 1 K $\Omega$ 1 watt trimmer
<b>Power Input</b>	Voltage	40~150 VAC 3 phase	<b>Auxiliary Winding</b>	6~150 VAC (No load rms)
<b>Output Current</b>	Max.	10A	<b>Response Time</b>	0.3~1 sec. @ $\pm 20\%$ voltage vibration
<b>Current Droop</b>	Max.	4% @ P.F. = 0.8	<b>LAM Voltage Droop Rate</b>	10% & 15% selectable

### Environment

<b>Operation Temperature</b>	-40~60 °C	<b>Relative Humidity</b>	Maximum 95%
<b>Storage Temperature</b>	-40~85 °C	<b>Vibration</b>	1.5G @ 5~30 Hz / 5.0G @ 30~500 Hz

### Mechanical Specifications (Unit : mm)



### AVR Control Function

<b>VOLT</b>	Voltage Adjustment
<b>STAB</b>	Stability Adjustment
<b>V/HZ</b>	UFRO Knee Point Set
<b>EXC.MAX</b>	Excitation Current Limit
<b>STAT</b>	Droop Adjustment

### Physical Specification

<b>Dimensions</b>	203.0 (L) x 153.0 (W) x 60.5 (H) mm
<b>Weight</b>	970 g $\pm 2\%$



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Please link to <http://www.kutai.com.tw> for detailed manual.