

EA440

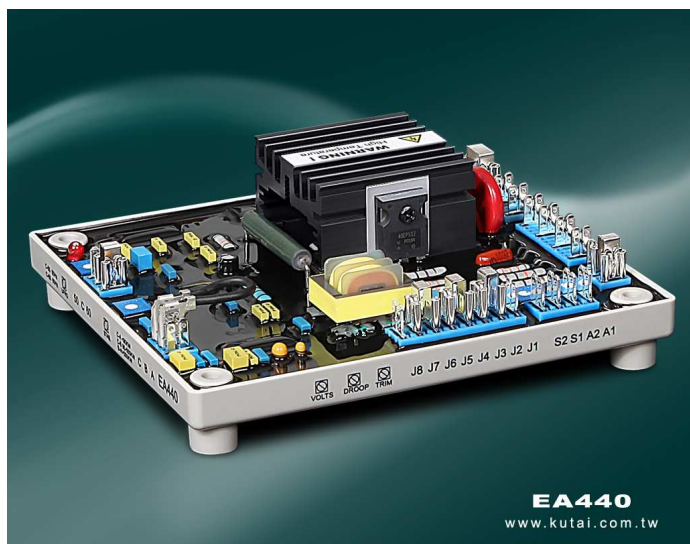
Self Excited Automatic Voltage Regulator

Compatible with Newage* Stamford SX440 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 $< \pm 1\%$
- Can Be Use In Parallel Operation
- Adjustable DIP, TRIM & DROOP Functions
- Under Frequency Roll Off Protection
- Sensing Voltage Loss Protection
- Under Frequency LED Indicator
- Soft Start Voltage Ramping



EA440
www.kutai.com.tw

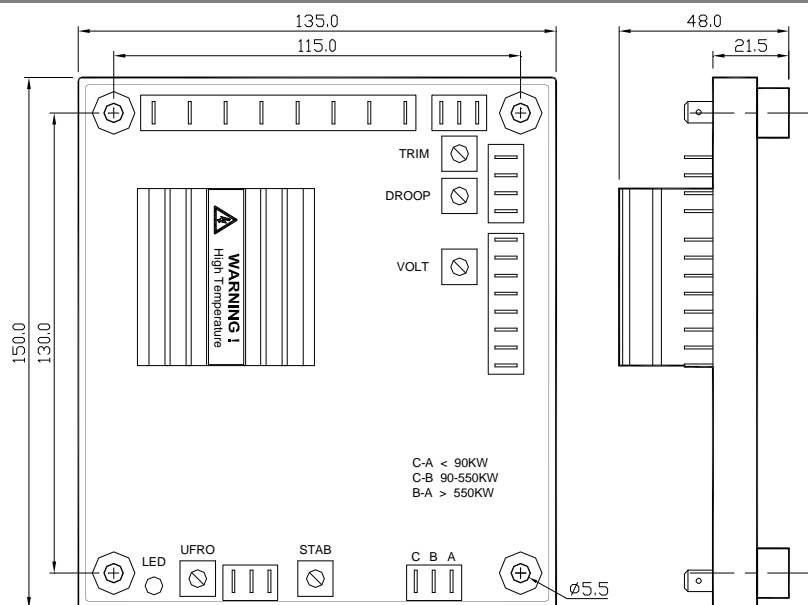
Specifications

Sensing Input	Voltage	190~264 VAC 1 phase 2 wire	Under Frequency Protection (UFRO)	Set point	95% Hz
	Frequency	50/60 Hz selectable		Slope	170% down to 30 Hz
Output	Voltage	Max. 90 VDC @ 207 VAC	Soft Start Ramp Time		2 sec.
	Current	Continuous 4A Intermittent 10A for 10 sec.		Analogue Input	Max. Input
Voltage Regulation	Resistance	Min. 15 Ω			Sensitivity
		$< \pm 1\%$ (with 4% engine governing)	Drop Input	Input Resistance	1 K Ω
Voltage Build-up		Residual volts at AVR terminal > 5 VAC		Burden	10 Ω
External Volts Adjustment		$\pm 8\%$ with 1 K Ω 1 watt trimmer		Max. sensitivity	0.07A for 5% droop (PF=0)
Unit Power Dissipation		Max. 12 watt		Max. input	0.33A
Thermal Drift		0.05% per $^{\circ}\text{C}$ change in AVR ambient			

Environment

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

Mechanical Specifications (Unit : mm)



AVR Control Function

VOLT	Voltage Adjustment
STAB	Stability Adjustment
U/F*1	To Set the U/F Knee Point
DROOP	Droop Adjustment
TRIM	Analogue Input Adjustment
DIP	U/V Rate Set

*1 U/F : Under Frequency protection

Physical Specification

Dimensions	150.0 (L) x 135.0 (W) x 48.0 (H) mm
Weight	418 g $\pm 2\%$



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