

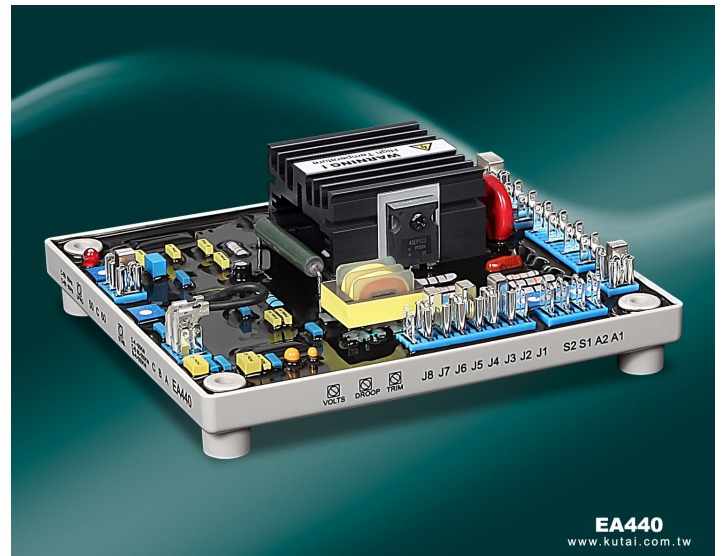
EA440

Self Excited Automatic Voltage Regulator

Compatible with Newage Stamford SX440 regulator

Features

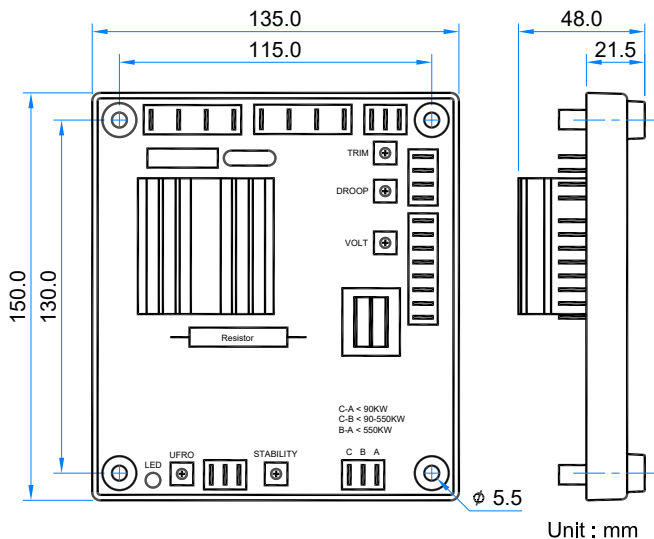
- Voltage regulation less than +/-1%
- Can be used in parallel operation
- Adjustable DIP, TRIM & DROOP functions
- Under frequency roll off protection
- Sensing voltage loss protection
- Under frequency LED indicator
- Soft start voltage ramping



Specifications

Sensing Input	Voltage	190 to 264 Vac 1 phase 2 wire	Static Power Dissipation	Max. 12 watts
	Frequency	50/60 Hz selectable	Quadrature Droop Input	Burden 10 ohms
Excitation Output	Voltage	Max. 90 Vdc @ power input 207 Vac	Max. input	0.33A
	Current	Continuous 4A	Max. sensitivity	0.07A for 5% droop (PF=0)
		Intermittent 10A for 10 seconds	Analogue Voltage Input	Input resistance 1K ohm
	Resistance	Min. 15 ohms	Max. input	+/-5 Vdc
External Volts Adjustment	Max. +/-8% @ 1K ohm 1 watt potentiometer		Sensitivity	1V for 5% generator volts
Voltage Regulation	Less than +/-1% (with 4% engine governing)		Under Frequency Protection (Factory Presets)	
Build Up Voltage	5Vac residual volts at power input terminal		Set point	95% Hz
Soft Start Ramp Time	2 seconds +/-10%		Slope	170% down to 30 Hz
			Voltage Thermal Drift	Less than 3% at -40 to +70 °C

Dimensions



AVR Control Functions

VOLT	Voltage adjustment
STAB	Stability adjustment
UFRO	Setting under frequency protection knee point
DROOP	Droop adjustment
TRIM	Analogue input adjustment
DIP	U/V rate set

Environment

Operating Temperature	-40 to +70 °C
Storage Temperature	-40 to +85 °C
Relative Humidity	Max. 95%
Vibration	3.3 Gs @ 100 to 2K Hz

Physical Specifications

Dimensions	150.0 (L) x 135.0 (W) x 48.0 (H) mm
Weight	418 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
 Headquarters : No.3, Ln. 201, Qianfu St., Qianzhen Dist., Kaohsiung City 80664, Taiwan

