

EA341

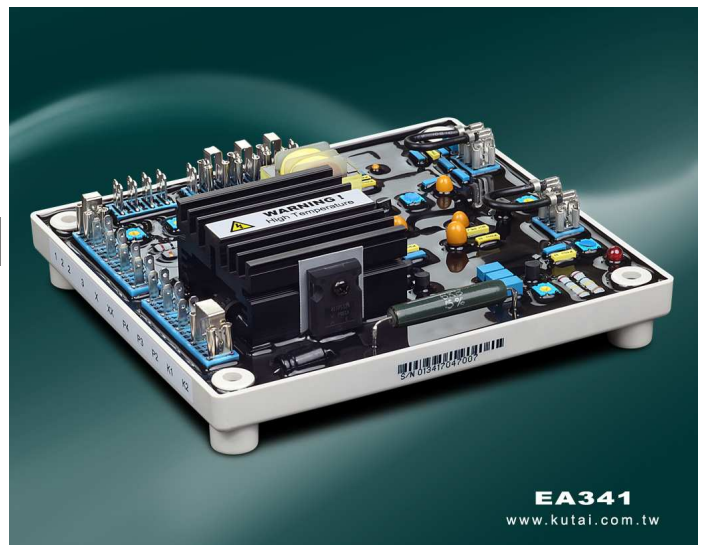
Permanent Magnet Generator Type AVR

Compatible with Newage* Stamford MX341 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 $< \pm 1\%$
- 3 Phase PMG Power Input
- For Use In Parallel Operation
- Adjustable EXC TRIP, DIP, TRIM & DROOP Functions
- Soft Start Voltage Ramping
- Under Frequency Roll Off Protection
- UFRO & Over Excitation LED Indicators



EA341
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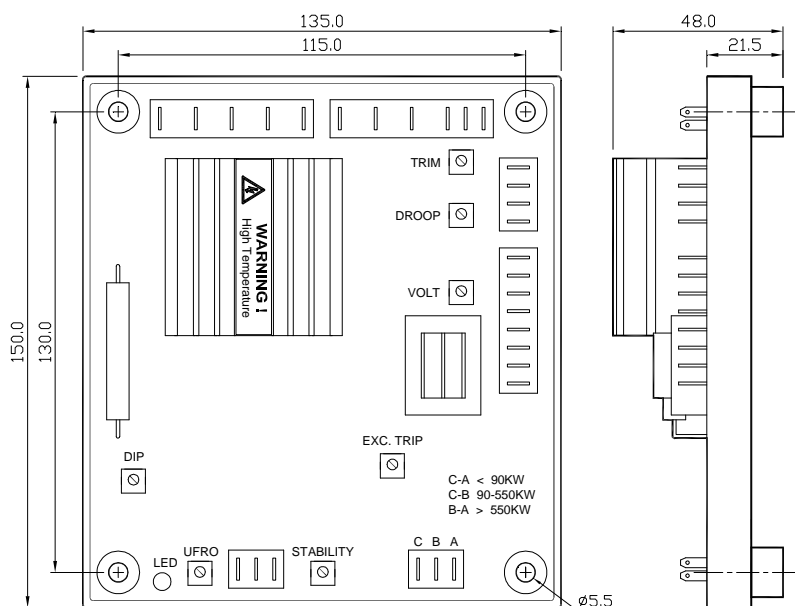
Specifications

Sensing Input	Voltage 190~264 VAC 1 phase 2 wire Frequency 50/60 Hz selectable	Analogue Input	Max. input ± 5 VDC Sensitivity 1V for 5% generator volts Input Resistance 1 K Ω
Power Input (PMG)	Voltage 170~220 VAC 3 phase 3 wire Current 3A / phase Frequency 100~120 Hz nominal	Droop Input	Burden 10 Ω Max. sensitivity 0.07A for 5% droop(PF=0) Max. input 0.33A
Output	Voltage Max. 120 VDC Current Continuous 2.7A Intermittent 6A for 10 sec. Resistance Min. 15 Ω	Under Frequency Protection (Factory Setting)	Set point 95% Hz Slope 170% down to 30 Hz
Voltage Regulation	$< \pm 1\%$ (with 4% engine governing)	Current Limit Input	Burden 10 Ω Sensitivity range 0.5~1A
Voltage Build-up	Residual volts at AVR terminal > 5 VAC	Over Voltage Detector Input	Set point 300V Time delay 1 sec. (fixed) CB trip coil volts 10~30 VDC / 0.5Amp
External Volts Adjustment	$\pm 10\%$ with 1 K Ω 1 watt trimmer	Over Excitation Protection	Set point 90 VDC Time delay 10 sec. (fixed)
Unit Power Dissipation	Max. 12 watt		
Thermal Drift	0.05% per $^{\circ}\text{C}$ change in AVR ambient		
Soft Start Ramp Time	3 sec.		

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
UFRO	UFRO Knee Point Set
DROOP	Droop Adjustment
TRIM	Analogue Input Adjustment
EXC TRIP	Over Excitation Level Set
DIP	U/V Rate Set

Physical Specification

Dimensions	150.0 (L) x 135.0 (W) x 48.0 (H) mm
Weight	394 g $\pm 2\%$



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