

Triton MX341

Permanent Magnet Generator Type AVR
Compatible with Model MX341



Features

- $< \pm 1\%$ Regulation
- 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

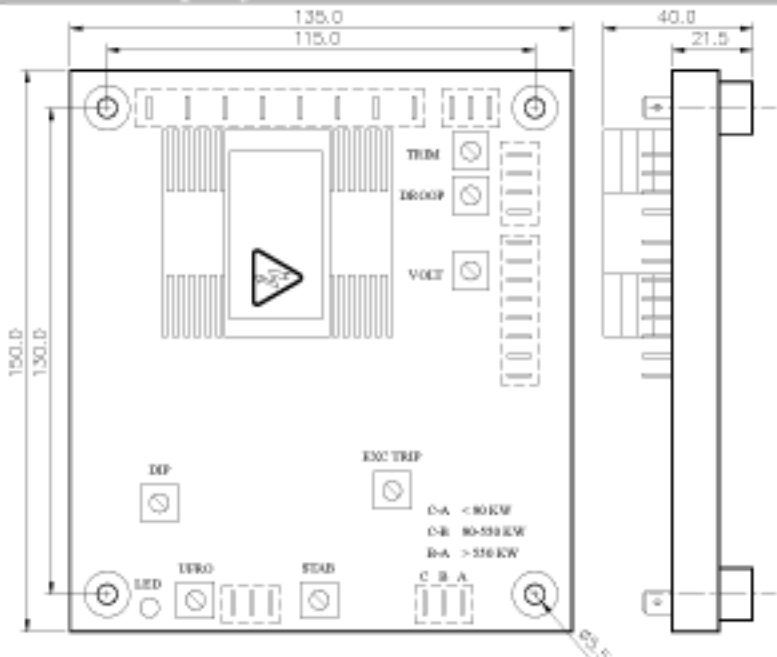
Specifications

Sensing Input	Voltage	190 – 264 VAC, 1 phase 2 wire	External Volts Adjustment	$\pm 10\%$ with 1K Ω 1 watt trimmer
	Frequency	50 / 60 Hz selectable	Thermal Drift	0.05% per $^{\circ}\text{C}$ change in AVR ambient
Power Input (PMG)	Voltage	170 ~ 220 VAC, 3 phase 3 wire	Unit Power Dissipation	Max. 12 watt
	Current	3A / phase	Under Frequency Protection (UFRO)	Set point 95% Hz Slope 170% down to 30 Hz
	Frequency	100 ~ 120 Hz nominal	Over Excitation Protection	Set point 75 VDC, Time delay 10 sec.
Output	Voltage	Max. 120 VDC	Analogue Input	Max. Input ± 5 VDC Sensitivity 1V for 5% generator volts Input Resistance 1K Ω
	Current	Continuous 2.7A Intermittent 6A for 10 sec.	Droop Input	Burden 10 Ω Max. sensitivity 0.07 A for 5% droop (PF=0) Max. input 0.33A
	Resistance	Min. 15 Ω		
Voltage Regulation	$< \pm 1\%$ RMS (with 4% engine governing)			
Voltage Build-up	Residual volts at AVR terminal > 5 VAC			
Soft Start Ramp Time	2 sec.			

Environment

Vibration	3.3G @ 100 ~ 2 K Hz	Relative Humidity	$< 95\%$
Operating Temperature	$-40 \sim 70$ $^{\circ}\text{C}$	Storage Temperature	$-40 \sim 85$ $^{\circ}\text{C}$

Mechanical Specifications



AVR Controls Function

VOLT	Voltage Adjustment
STAB	Stability Adjustment
U/F	UFRO Knee point Set
DROOP	Droop Adjustment
TRIM	Analogue Input Adjustment
EXC TRIP	Over Excitation Level Set
DIP	U/V Rate Set

Physical Specifications

Dimensions	150.0 (L) x 135.0 (W) x 40.0 (H) mm
Weight	394 g $\pm 2\%$