

ADVR-54

Self Excited Automatic Voltage Regulator 5 Amp

Features

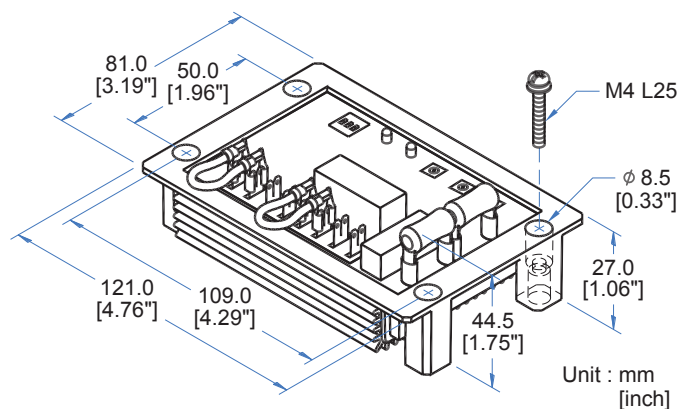
- Compact size, robust and high reliability
- Innovative heat sink significantly increases cooling efficiency
- 220/380/440/480 Vac selectable input
- Soft start voltage ramping
- Over excitation protection
- Digital low frequency protection circuit, prevents thermal drift
- EMI suppression
- Automatic shut off output when voltage sensing is lost
- Built-in high capacity fuse



Specifications

Sensing Input	Voltage 170-520 Vac 1 phase 2 wire Average Reading	Static Power Dissipation	Max. 8 watts
	220/440 Vac (DIP switch setting)	Soft Start Ramp Time	3 seconds +/-10%
	Frequency 50/60 Hz (DIP switch setting)	EMI Suppression	Internal electromagnetic interference filtering
Power Input	Voltage 100-300 Vac 1 phase 2 wire	Voltage Thermal Drift	Less than 3% at -40 to +70 °C
Excitation Output	63 Vdc @ 220 Vac power input, single phase	Under Frequency Protection (Factory Knee Point Setting)	
	continuous 5A Max.90 Vdc 7A for 10 seconds	50 Hz system knee point at 45 Hz	
Excitation Resistance	Min. 15 ohms Max. 100 ohms	60 Hz system knee point at 55 Hz	
Volts Regulation	Less than +/-0.5% (with 4% engine governing)	Under Frequency Knee Point Thermal Drift	
Build Up Voltage	Residual volts at power input terminal > 5 Vac 25 Hz	Less than +/-0.1 Hz at -40 °C to +70 °C	
Over Excitation Protection		Environment	Operation Temperature -40 to +70 °C
	78 Vdc +/-6% @ 220 Vac Time delay 5 seconds		Storage Temperature -40 to +85 °C
	Function can be turn off		Relative Humidity Max. 95%
External Volts Adjustment	Max +/-3.5% with 1K ohm 1 watt trimmer	Vibration	5Gs @ 60 Hz

Mechanical Specification



Physical Specification

Dimensions	121.0 (L) x 81.0 (W) x 44.5 (H) mm
	4.76" (L) x 3.19" (W) x 1.75" (H) inch
Weight	270 g +/-2%
	0.6 lb +/-2%

AVR Accessories

EB500	Automatic Flashing Unit for Generator
EP200	Reactive Factor Compose Module (Droop Module)