

EA150A

Self Excited Automatic Voltage Regulator 150Amp

Compatible with Carbon Brush Type Generators

Full wave and Half wave version available

Full or Half wave toggle switch selectable

Features

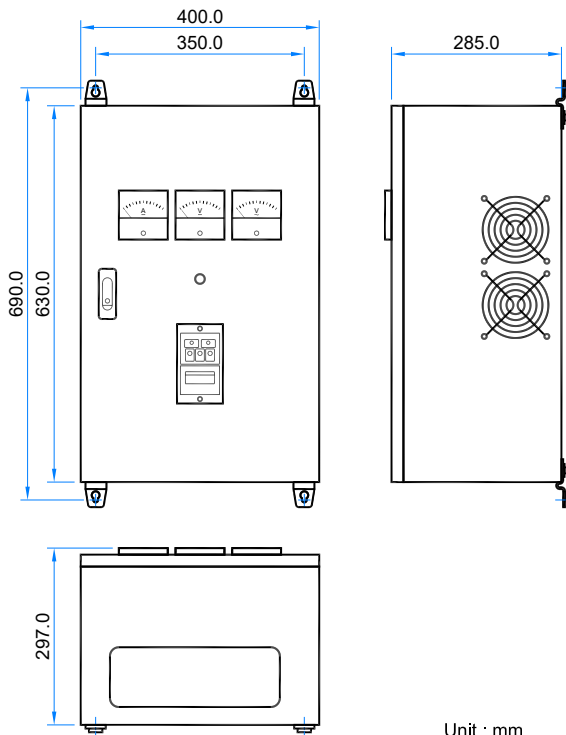
- Voltage regulation less than +/-1%
- 50/60 Hz selectable
- Adjustable voltage, stability & field limit
- Under frequency protection and parallel connection function
- Built-in high breaking capacity protection molded case circuit breaker (MCCB)
- Automatic flash
- AVR is fan cooled internally



Specifications

Sensing Input	Voltage	100 to 500 Vac	1 phase 2 wire	Voltage Regulation	Less than +/-1% (with 4% engine governing)
	Frequency	50/60 Hz	selectable	Build Up Voltage	Residual voltage at AVR terminal > 5Vac @ 25Hz
Power Input	Voltage	170 to 265 Vac	1 phase 2 wire	Droop Adjustment	Droop current compensation input 5A 5VA +/-7% @ PF = +/-0.5 (Droop adjusted)
	Frequency	50/60 Hz	selectable	Analogue Input	Analogue voltage input connect to an external DC signal +/-5Vdc 7% adjustable (TRIM adjusted)
Output (at 220 Vac input)	Voltage	Half-wave Max. 90 Vdc		Under Frequency Protection (Factory Presets)	50 Hz system presets knee point at 45 Hz
		Full-wave Max. 180 Vdc			60 Hz system presets knee point at 55 Hz
	Current	Continuous 150A	Intermittent 200A for 10 seconds	Battery Input (24V)	Power input for the flash and alarm
	Resistance	Half-wave Min. 0.9 ohm			
		Full-wave Min. 1.8 ohms			
External Voltage ADJ		+/-6%			

Dimensions



Environment

Operating Temperature	-40 to +60 °C
Storage Temperature	-40 to +85 °C
Relative Humidity	Max. 95%
Vibration	3.0 Gs @ 100 to 2K Hz

Physical Specifications

Dimensions	630.0 (L) x 400.0 (W) x 285.0 (H) mm
Weight	28 Kg +/-2%

