

EA200A

Self Excited Automatic Voltage Regulator 200Amp

Compatible with Carbon Brush Type Generators

Features

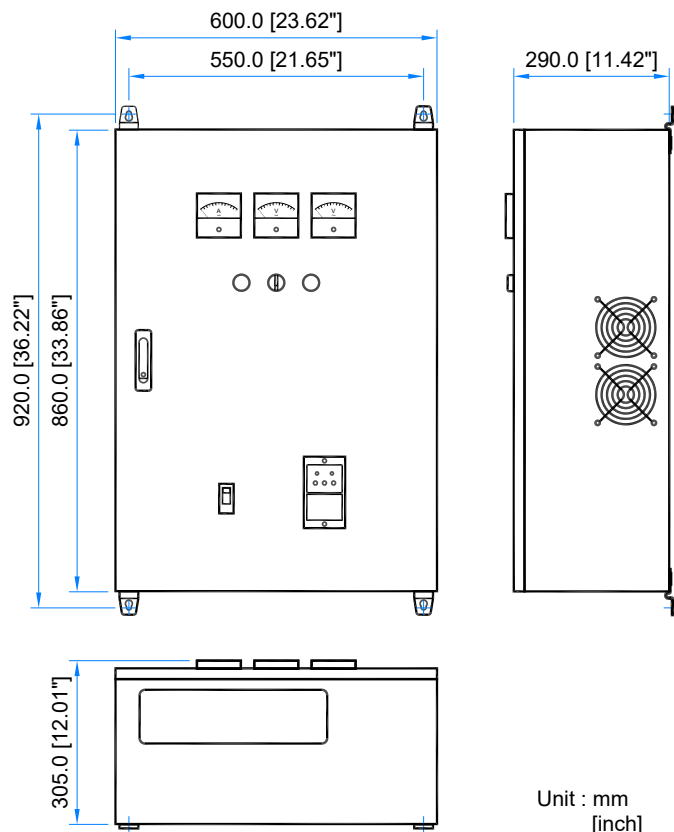
- Full wave and Half wave version available (select by toggle switch)
- Built-in high breaking capacity protection molded case circuit breaker (MCCB)
- Voltage regulation less than +/-1%
- Adjustable for Voltage, Stability and Parallel operation
- Under frequency protection, 50/60 Hz selectable
- Selectable for Automatic / Manual field flashing
- External emergency stop power generation function
- Built-in fan for cooling and heat dissipation
- Over Temperature Alarm / Over Temperature Shutdown



Specifications

Sensing Input	Voltage	85 to 550 Vac	1 phase 2 wire	Voltage Regulation	Less than +/-1% (with 4% engine governing)
	Frequency	50/60 Hz	selectable	Build Up Voltage	5Vac 25Hz residual voltage at power input terminal
Power Input	Voltage	160 to 280 Vac	1 phase 2 wire	Droop Adjustment	Droop current compensation input 5A 5VA +/-7% @ PF = +/-0.5 (Droop adjusted)
	Frequency	50/60 Hz		Analogue Input	Analogue voltage input connect to an external DC signal +/-5Vdc 10% adjustable (TRIM adjusted)
Excitation Output (at 220 Vac input)	Voltage	Half-wave Continuous	63Vdc Max. 90 Vdc	Under Frequency Protection (Factory Presets)	
		Full-wave Continuous	125Vdc Max. 180 Vdc	50 Hz system presets knee point at 45 Hz	
	Current	Continuous	200A Intermittent 250A for 10 seconds	60 Hz system presets knee point at 55 Hz	
External Voltage Adjustment	Resistance	Half-wave	Min. 0.3 ohms Max.100 ohms	Battery Input (24V)	DC Power supply for initial field flashing, excitation current display, alarm protection function
		Full-wave	Min. 0.6 ohms Max.100 ohms		
		1K Ω +/- 3.5%			
		2K Ω +/- 7%			

Dimensions



Environment

Operating Temperature	-40 to +60 °C
Storage Temperature	-40 to +85 °C
Relative Humidity	Max. 95%

Physical Specifications

Dimensions	600.0 (L) x 305.0 (W) x 860.0 (H) mm
	23.62 (L) x 12.01 (W) x 33.86 (H) inch
Weight	67 Kg +/- 2%
	147.7 lb +/- 2%

Accessories

Enclosure Hook	× 1
Terminal isolation spacer	× 4
Jumper	× 1