EA06

Self Excited Half Wave Rectified Type Automatic Voltage Regulator

Suitable for Single or Three Phase Self Excited Brushless Generator

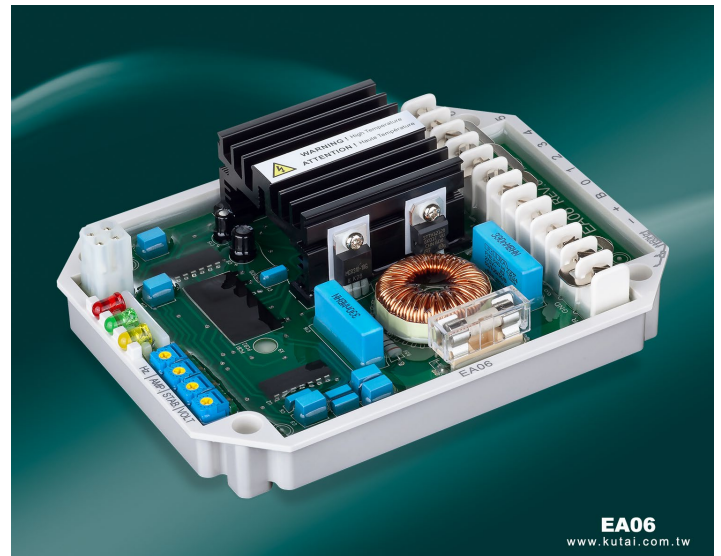Maximum Output 6A

Compatible with Mecc Alte Spa AVR model UVR6

Features

- Voltage regulation less than +/-1%
- Sensing input 110 to 480 Vac [*1]
- Rated frequency 50/60 Hz
- Power input 50 to 280 Vac
- Low frequency & over excitation protection
- EMI suppression

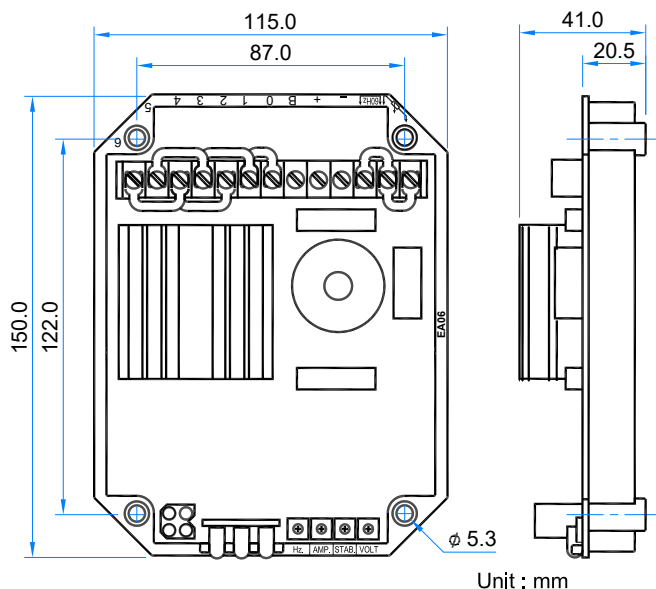*1 Sensing input 220 to 480 Vac model available (EA06-220V)

Specifications

Sensing Input	Terminal	1-2, 3-4, 5-6	**Voltage Regulation**		Less than +/-1% (with 4% engine governing)
	Can be connected to Y or △		**Build Up Voltage**		5Vac 25Hz residual volts at power input terminal
	110 to 480 Vac 1 phase or 3 phase 50/60 Hz		**Soft Start Ramp Time**		4 seconds +/-10%
Power Input +, 2	Voltage	50 to 280 Vac 50/60 Hz	**EMI Suppression**		Internal electromagnetic interference filtering
Excitation Output +, -	Voltage	Max. 63 Vdc @ power input 220 Vac	**Static Power Dissipation**		Max. 5 watts
	Current	Continuous 6A	**Over Excitation Protection**		25 to 55 Vdc @ 0.1 to 20 seconds
		Intermittent 7A for 10 seconds	**Under Frequency Protection**		Adjustable range 42 to 62 Hz
Exciter Winding Resistance		DC Resistance 10 to 100 ohms	**Voltage Thermal Drift**		Less than 3% at -40 to +70 °C
External Volts ADJ		Max. +/-5% @ 100K ohms 1/2 watt potentiometer			

Dimensions

115.0
87.0
41.0
20.5
150.0
122.0
φ 5.3

Hz. | AMP. | STAB. | VOLT

Unit : mm

AVR Control Functions

VOLT	Voltage adjustment
STAB	Stability adjustment
U/F	Setting under frequency protection knee point
AMP.	Over excitation setting

Environment

Operating Temperature	-40 to +60 °C
Storage Temperature	-40 to +80 °C
Relative Humidity	Max. 95%
Vibration	1.5 Gs @ 5 to 30 Hz
	5.0 Gs @ 30 to 500 Hz

Physical Specifications

Dimensions	150.0 (L) x 115.0 (W) x 41.0 (H) mm
Weight	440 g +/-2%

*All manufacturer names and numbers are used for reference purpose only and do not imply that any part is the product of these manufacturer.