

ADVR-2200M

Hybrid Universal Analog / Digital 1 or 3 phase 3.5 Amp
Self Excited, Shunt, Auxiliary Winding, Harmonic Power
or PMG Automatic Voltage Regulator

Features

- Power input single phase 60-300 Vac @ 50-500 Hz
- Sensing input 1 or 3 phase 220-600 Vac programmable
- Voltage regulation less than $\pm 0.5\%$
- 50/60 Hz selectable
- Multiple power input source SHUNT, AUX, HARMONIC, PMG
- Inverse-time over excitation & under frequency protection
- Soft start voltage ramping
- Built-in high capacity protection fuse
- Panel mounted, internal wiring external adjustment
- Apply with KUTAI IVT-1260/IVT-2460 to exceeds normal generator motor starting capabilities

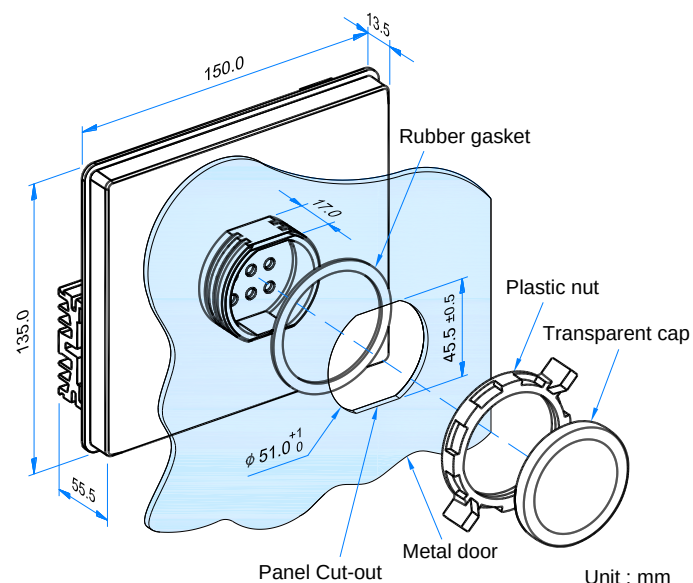


CE EN61204-3:2001 Certified

Specifications

Sensing Input	Voltage	220-600 Vac 1 or 3 phase selectable	Static Power Dissipation	Max. 12 watts	
	Frequency	50/60 Hz selectable	EMI Suppression	Internal electromagnetic interference filtering	
Power Input	Voltage	60-300 Vac 1 phase	Soft Start Ramp Time	4 seconds +/-10%	
	Frequency	50-500 Hz	Voltage Thermal Drift	< 3% at temperature range -40°C to +70°C	
Excitation Output	Voltage	Continuous 125 Vdc @ power input 220 Vac	Analogue Input	Input resistance > 2KΩ	
	Current	Continuous 3.5A, Intermittent 7A for 10 sec.		Max. Input +/-5 Vdc or +10 Vdc	
	Resistance	≥ 13 ohms @ power input 110 Vac		Sensitivity 1 Vdc for 2.5% Generator Volts	
		≥ 25 ohms @ power input 220 Vac		Quadrature Droop Input	CT 1A/5A > 5VA (DIP switch setting)
Burden in Shunt & PMG Wiring	550 VA @ power input 110 Vac			Sensitivity Max. +/-7% @ P.F +/-0.7	
	1100 VA @ power input 220 Vac			Under Frequency Protection (Factory Knee Point Setting)	
Voltage Regulation	< +/-0.5% (with 4% engine governing)			50 Hz system presets knee point at 45 Hz	
Build Up Voltage	Residual volts at AVR terminal > 5 Vac @ 25 Hz			60 Hz system presets knee point at 55 Hz	
Over Excitation Protection	Inverse-time 125 +/-5 Vdc @ power		Environment	Operation Temperature -40°C to +70°C	
	input 220 Vac			Storage Temperature -40°C to +85°C	
Ext. Volts Adjustment	Max. +/-5% @ 500 ohms 1 watt potentiometer			Relative Humidity Max. 95%	
	Max. +/-10% @ 1000 ohms 1 watt potentiometer			Vibration 5.5Gs @ 60 Hz	

Mechanical Specifications



AVR Control Function

VOLT	Voltage adjustment
STAB	Stability adjustment
U/F	Setting under frequency protection knee point
DROOP	Droop adjustment
TRIM	Analogue input adjustment
DIP	Voltage droop ratio setting
O/E LED	Over excitation protection indicator
U/F LED	Under frequency protection indicator

Physical Specification

Dimensions	150.0 (L) x 135.0 (W) x 55.5 (H) mm
	5.91 (L) x 5.31 (W) x 2.19 (H) inch
Weight	470 g $\pm 2\%$
	1.04 lb $\pm 2\%$



KUTAI ELECTRONICS INDUSTRY CO., LTD.

TEL : +886-7-8121771 FAX : +886-7-8121775 Website : www.kutai.com.tw
Headquarters : No.3, Lane 201, Chien Fu St., Chyan Jenn Dist., Kaohsiung 80664, TAIWAN

