ADVR-321

Universal Hybrid Analog / Digital Automatic Voltage Regulator for Parallel-Capable Generators

Permanent Magnet Generator Type AVR

Compatible with Newage Stamford MX321 regulator

Features

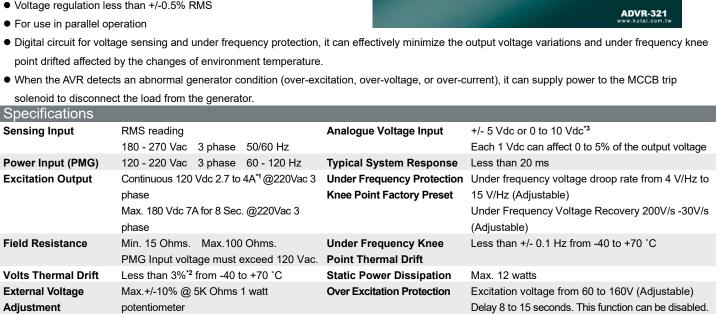
- 3 Phase RMS Reading for Sensing Input
- Provides current limiting function when the generator output is short-circuited.
- Built-in LED indicator for displaying under-frequency, overvoltage, overcurrent, and over-excitation conditions
- Voltage regulation less than +/-0.5% RMS

Soft Start Ramp Time

Quadrature Droop

Voltage Regulation

Input



Sensing Input Overvoltage 220 Vac system 300 Vac +/- 5V

Delay 1 second. This function can be disabled.

CT can be set from 0.3 A to 1.0 A. (Adjustable)

the field output will be shut down This function can be disabled.

The secondary overcurrent detection range of the

If the condition persists for more than 10 seconds,

0.4 to 4 seconds +/-10%

Sensitivity 0.22A for 5% droop (PF=0)

Less than +/-0.5% RMS (with 4% engine governing)

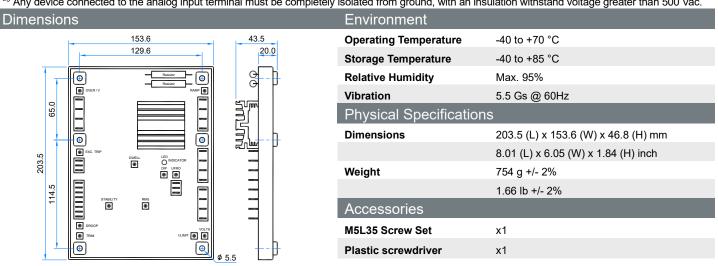
(Adjustable)

(Adjustable)

Max. input 0.33A

Protection

Current Limit Input



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



ISO 9001

^{*1} De-rate linearly from 4.0 A at 50°C to 2.7A at 70°C

^{*2} The voltage value is measured after 10 minutes of operation.

^{*3} Any device connected to the analog input terminal must be completely isolated from ground, with an insulation withstand voltage greater than 500 Vac.