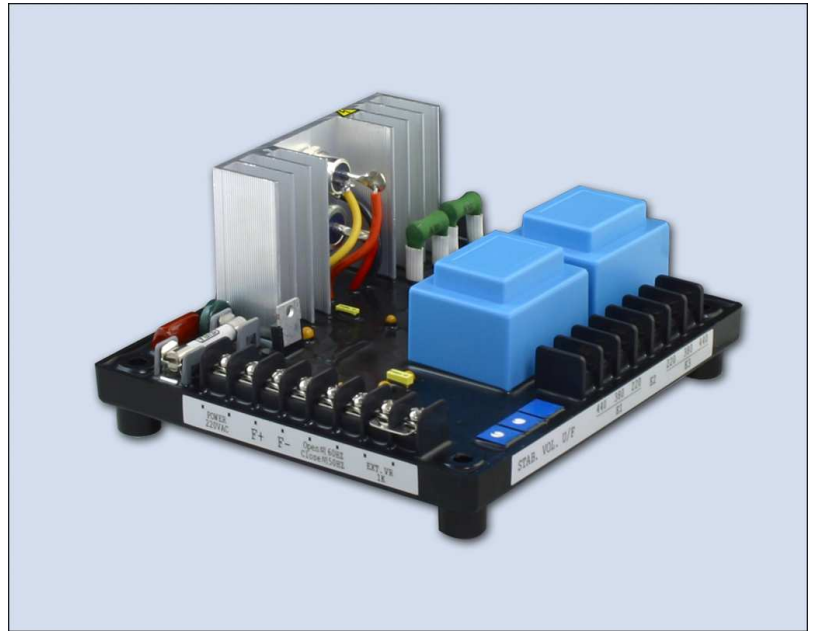


EA15A3H

Universal 15 Amp 1/2 Wave Self Excited 3 Phase Voltage Sensing Automatic Voltage Regulator

Features

- $< \pm 1\%$ Regulation
- 220/380/440/480V Input Voltage Sensing
- 3 Phase Sensing
- High 15A Output Current
- 50/60 Hz Under Frequency Protection
- Soft Start Ramping
- Built-in High Breaking Capacity Fuse



Specifications

| | | |
|----------------------|------------|-----------------------------------------------|
| Sensing Input | Voltage | 220/380/440 VAC, 3 phase 3 wire, |
| | Frequency | 50 / 60 Hz selectable |
| Power Input | Voltage | 100 ~ 300 VAC, 1 phase 2 wire |
| Output | Voltage | Max. 90 VDC @ 240 VAC input |
| | Current | Continuous 15A Intermittent 20A for 10 sec |
| | Resistance | Min. 4 Ω @ 35 Volts Output |

| | |
|-----------------------------------------------------|--------------------------------------------------------------------------------------|
| Voltage Regulation | $< \pm 0.5\%$ (with 4% engine governing) |
| Voltage Build-up | Residual voltage at AVR terminal $> 5\text{VAC}$ |
| External Volts Adjustment | $\pm 15\%$ with 1K Ω 1 watt trimmer |
| Soft Start Ramp Time | 2 sec. |
| Thermal Drift | 0.03% per $^{\circ}\text{C}$ change in AVR ambient |
| Unit Power Dissipation | Max. 8 watt |
| Under Frequency Protection (Factory Setting) | 60 Hz system presets knee point at 55 Hz 50 Hz system presets knee point at 45 Hz |

Environment

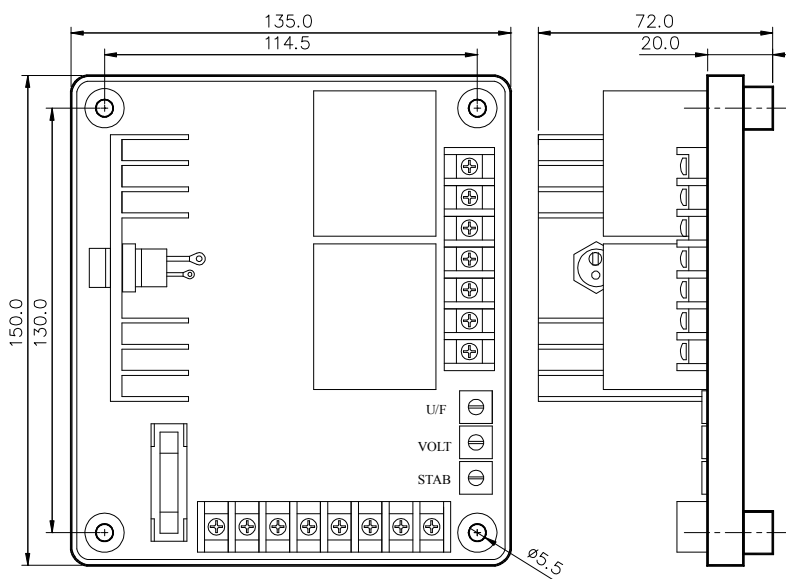
Vibration 3.3G @ 100 ~ 2K Hz

Relative Humidity $< 95\%$

Operating Temperature $-40 \sim 65^{\circ}\text{C}$

Storage Temperature $-40 \sim 85^{\circ}\text{C}$

Mechanical Specifications



UNIT: mm

AVR Controls

| | |
|----------------------------------|----------------------|
| VOLT | Voltage Adjustment |
| STABILITY | Stability Adjustment |
| U/F | U/F* Knee Point Set |
| *U/F: Under Frequency protection | |

Physical Specifications

| | |
|------------|-------------------------------------|
| Dimensions | 150.0 (L) x 135.0 (W) x 72.0 (H) mm |
| Weight | 867 g $\pm 2\%$ |

Please link to <http://www.kutai.com.tw> for detailed manual.