

IPUA440

Automatic Voltage Regulator Sensing Input 240V

Self excited brushless type genset voltage regulator is a compatible replacement for Newage Stamford SX440 regulator.



Features

- $< \pm 1\%$ Regulation
- Can Be Use In Parallel Operation
- Adjustable DIP, TRIM & DROOP Function
- Under Frequency Roll Off Protection
- Sensing Voltage Loss Protection
- Under Frequency LED Indicator
- Soft Start Voltage Ramping

Specification

Sensing Input	Voltage 190~264 VAC, 1 Phase 2 Wire, Frequency 50/60 Hz Single Phase
Output	Voltage Max. 90 VDC at 207 VAC, Current Continuous 4A, Intermittent 10A for 10 sec. Frequency Min. 15Ω
Voltage Regulation	$< \pm 1\%$ (with 4% engine governing)
Voltage Build-up	Residual volts at AVR terminal > 5 VAC
Thermal Drift	0.04% per °C change in AVR ambient
Soft Start Ramping	2 sec.
Unit Power Dissipation	Max. 12 Watt
External Volts Adjustment	$\pm 8\%$ with 1 KΩ 1 watt trimmer
Over Excitation Protection	Set point 75 VDC, Time delay 8~15 sec.

IPUA440 Specification (cont)

Under Frequency Protection(UFRO)	Set Point 95% Hz, Slope 170% down to 30 Hz
Analogue Input	Max. Input ± 5 VDC, Sensitivity 1V for 5% generator volts Input Resistance 1 K Ω
Droop Input	Burden 10 Ω , Max. sensitivity 0.07A for 5% droop (PF=0) Max. input 0.33A
Environment	Operating Temperature : -40~70 °C Storage Temperature : -40~85 °C Relative Humidity : Maximum 95% Vibration : 3.3G @ 100~2 KHz
AVR Controls Functions	VOLT : Voltage Adjustment STAB : Stability Adjustment U/F : UFRO Knee Point Set DROOP : Droop Adjustment TRIM : Analogue Input Adjustment DIP : U/V Rate Set
Dimensions	150.0(L) x 135.0(W) x 40.0(H) mm
Weight	418 g \pm 2%
Under Frequency Protection(UFRO)	Set Point 95% Hz, Slope 170% down to 30 Hz

(UNIT : mm)

