1. SPECIFICATION

Sensing Input E1, E2, E3

Voltage	220 ~ 600VAC, 60Hz DIP Switch SW1, 2 Selectable 175 ~ 280VAC @ 220VAC 330 ~ 490VAC @ 380/480VAC 500 ~ 660VAC @ 600VAC
Frequency	Single or 3 phase Input DIP Switch SW3 Selectable

Power Input P1 & P2

Input

Voltage	30 ~ 260VAC, 60Hz Single phase

Output

Voltage	85VDC @ 110VAC input 170VDC @ 220VAC input
Current	Continuous 5A Max. Intermittent 10A for 60 sec

Voltage Regulation

< ± 0.5% (with 4% engine governing)

Voltage Build-up

Residual voltage at AVR terminal > 5 VAC @ 25Hz

Thermal Drift

0.45% per°C change in AVR ambient

External Volts Adjustment

5% with 500ohm 1 watt trimmer
10% with 1000ohm 1 watt trimmer

Excitation Resistance

> 9 ohm

Max. Power Dissipation

12 watt

Current Compensation

1 or 5A > 0.2VA (DIP Switch SW3 Selectable)

(C1,C2)

Max. ±7% @ P.F ±0.7

Analogue Voltage Input

Un 0 ~ 15% @ 0 ~ 10VDC or 0 ~ ±5VDC

Frequency Knee Point

60Hz Factory setting is 57 Hz 50Hz Factory setting is 47 Hz

Response Time

<1 Cycle

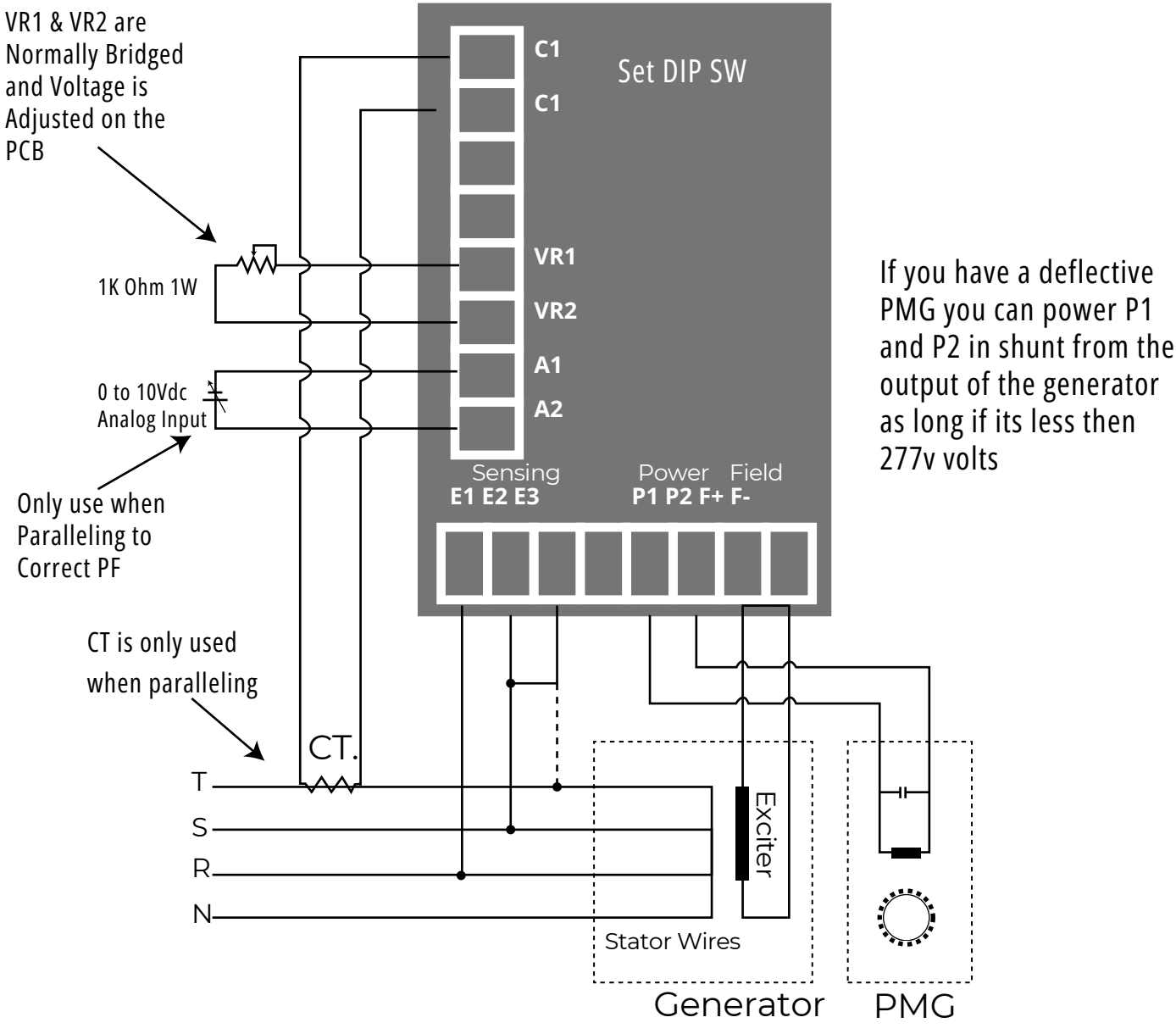
Dimensions

150mm L * 135mm W * 55.5mm H

Weight

470g ± 2%

Wiring Connections



If you have a deflective PMG you can power P1 and P2 in shunt from the output of the generator as long if its less then 277v volts

Sensing Voltage can be set from 200 too 600 Volts Program SW 1 1&2 correctlly. . For single phase sensing bridge E2 & E3 and move SW2-1 to OFF	ATTENTION The AC voltages recorded by the AVR are average values. External VR: 500 ohms 1 Watt gives 5% adjustment range External VR: 1K ohms 1 Watt gives 10% adjustment range