

# GOX80580

## DOUBLE STAR AC-DC CONVERTER

Over temperature switches  
Fan loss detection circuit  
Snubber for SCR's protections  
Extractible devices for easy field service

**LINE VOLTAGE UP TO 50V**  
**DC OUTPUT CURRENT 8000 A**

### GOX80580

Line to line voltage		<b>50 V</b>
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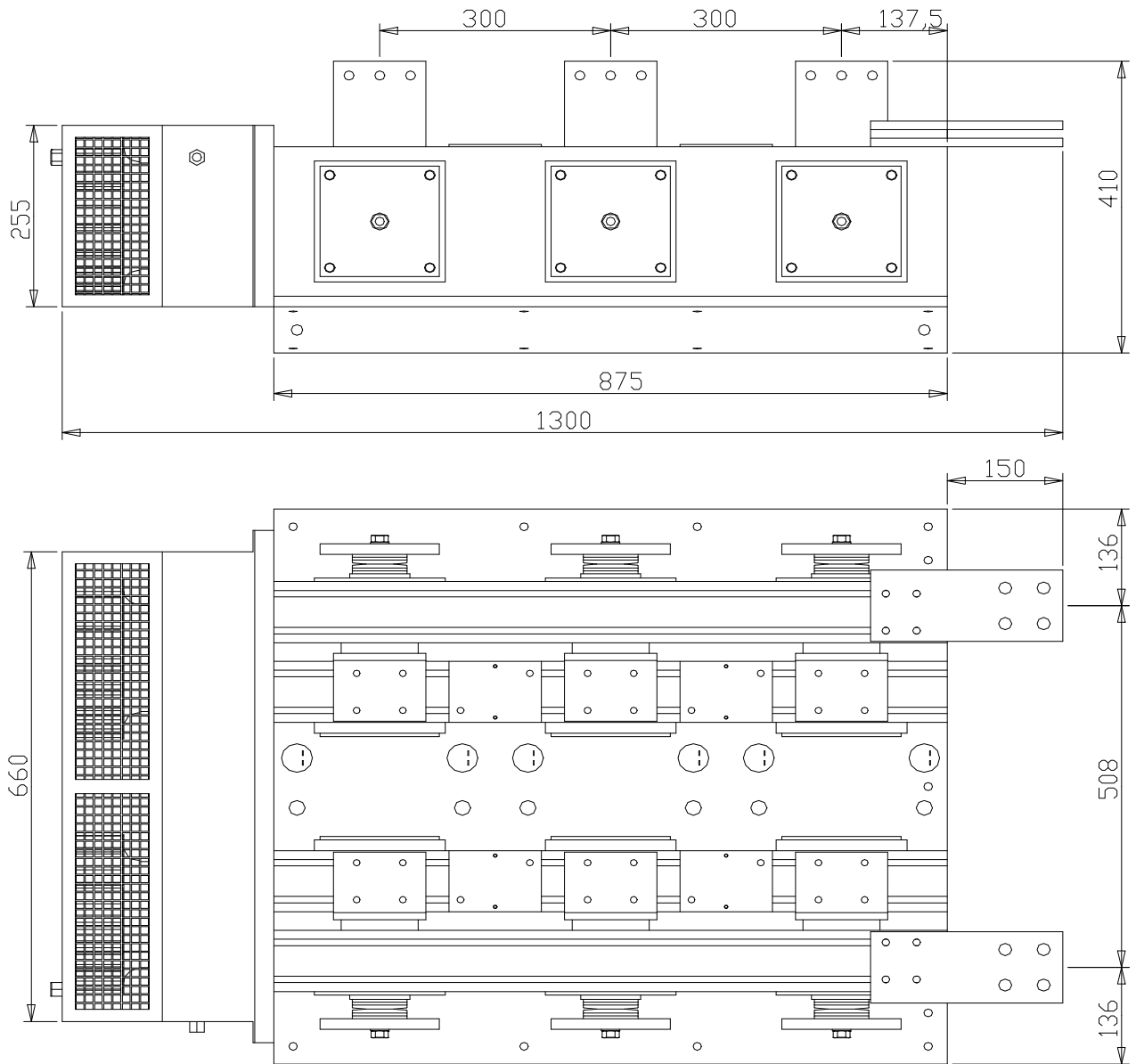
Characteristic		Conditions			Value
I <sub>DC</sub>	DC output current				8000 A
V <sub>INS</sub> (rms)	Insulation voltage				1000 V

### THYRISTOR CHARACTERISTICS

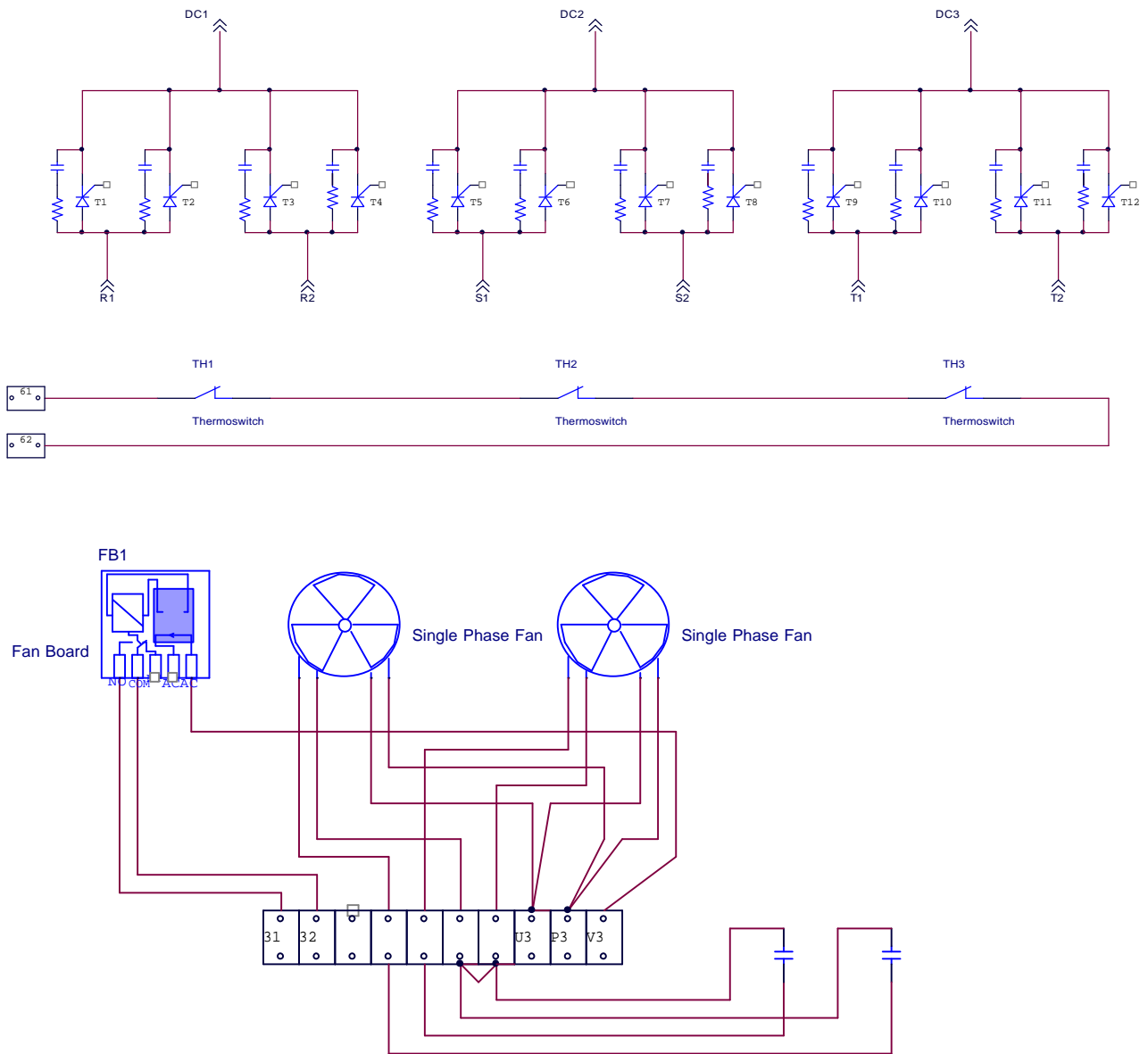
V <sub>GT</sub>	Gate trigger voltage	T <sub>j</sub> = 25 °C, V <sub>D</sub> = 5 V			3 V
I <sub>GT</sub>	Gate trigger current	T <sub>j</sub> = 25 °C, V <sub>D</sub> = 5 V			400 mA
dV/dt	Critical rate of rise off-state voltage	T <sub>j</sub> = 125 °C			1000 V/us
V <sub>RRM</sub>	Blocking Voltage	T <sub>j</sub> = 125 °C			200 V

### MECHANICAL AND THERMAL CHARACTERISTICS

	Width				950 mm
	Depth				470 mm
	Height				1265 mm
	Mass				250 kg
T <sub>a max</sub>	Max amb. op. Temp.				40 °C
T <sub>stg</sub>	Storage temperature				-40/60 °C



In the interest of product improvement Green Power Solutions reserves the right to change any specification given in this data sheet without notice.



**Cooling:**

Fan type: single phase radial  
 Number of fans: 2  
 Voltage: 230 V  
 Current: 1 A (each)  
 Frequency: 50/60 Hz  
 Noise: 77 dBA

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