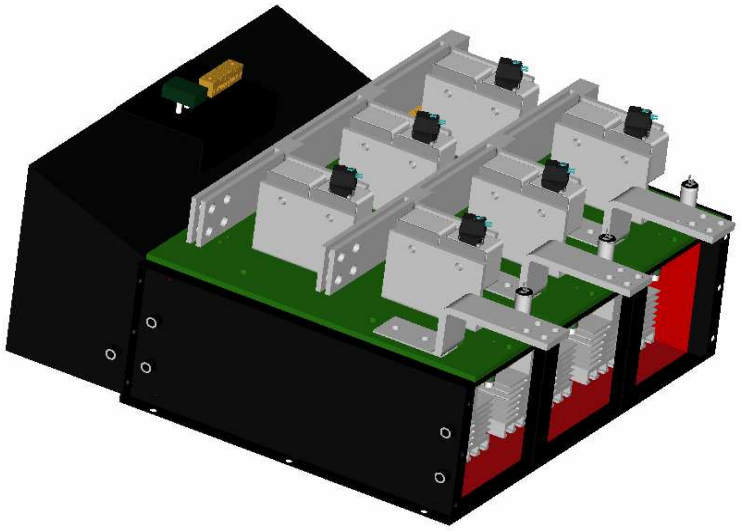
Green Power Solutions srl
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e-mail: info@gpsemi.it



GOG9xx27

THREE PHASE AC-DC BRIDGE

Fuse protection
Blown fuse indicators with microswitch
Over temperature switches
Fan loss detection circuit
Snubber for SCR's protections
Extractible stacks for easy field service

LINE VOLTAGE UP TO 690V

DC OUTPUT CURRENT 2700 A

	GOG94027	GOG95027	GOG96027
Line to line voltage	**400 V**	**500 V**	**690 V**

Characteristic		Conditions	Value	Value	Value
I_{DC}	DC output current		2700 A	2700 A	2700 A
V_{INS} (rms)	Insulation voltage		3000 V	3000 V	3000 V

THYRISTOR CHARACTERISTICS

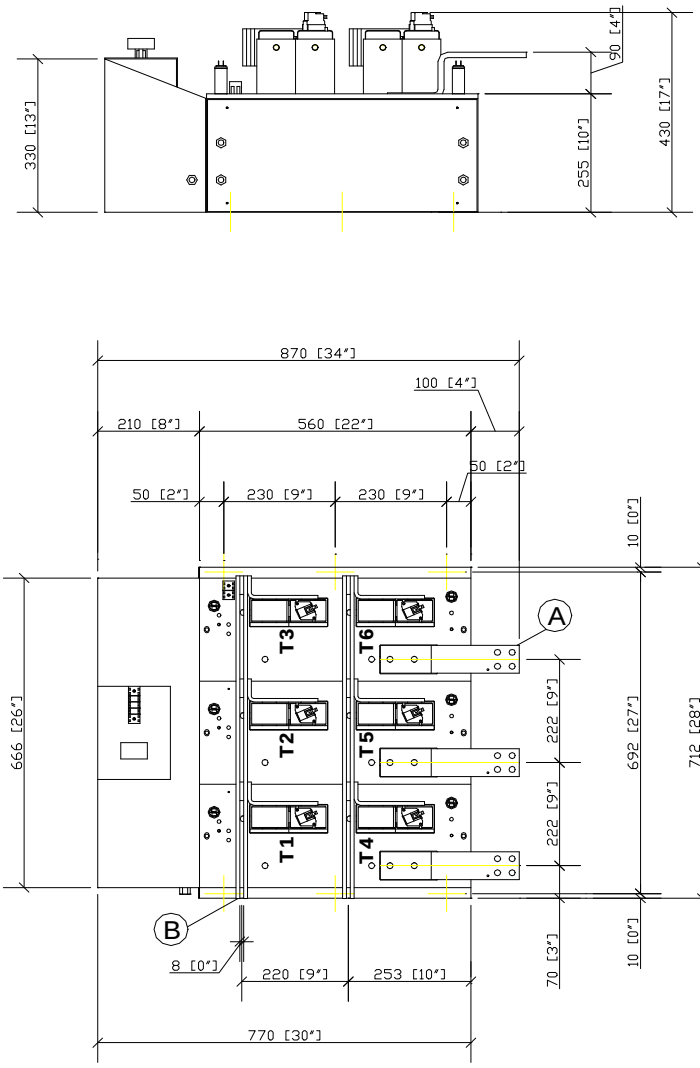
V_{GT}	Gate trigger voltage	T_j = 25 °C, V_D = 5 V	3 V	3 V	3 V
I_{GT}	Gate trigger current	T_j = 25 °C, V_D = 5 V	400 mA	400 mA	400 mA
dV/dt	Critical rate of rise off-state voltage	Tj= 125 °C	1000 V/us	1000 V/us	1000 V/us
VRRM	Blocking Voltage	Tj = 125 °C	1200 V	1600 V	2200 V

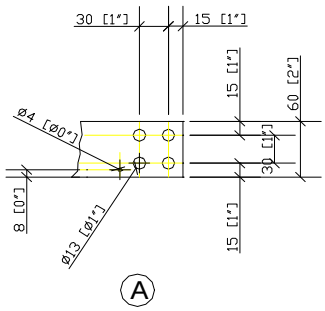
FUSE TYPE: 2 x SIBA 2068132.800

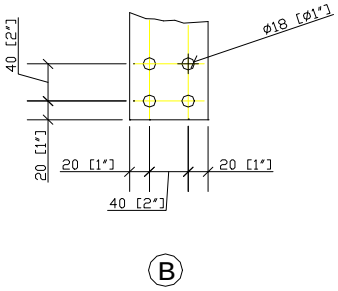
V_{NF}	Rated voltage		690 V	690 V	690 V
I_{NF}	Rated current		800 A	800 A	800 A
P_{VF}	Power loss	At rated current	118 W	118 W	118 W
I^2t	Total I^2t	At 660 V	480 kA^2s	480 kA^2s	480 kA^2s

MECHANICAL AND THERMAL CHARACTERISTICS

	Width		500 mm	500 mm	712 mm
	Depth		275 mm	275 mm	395 mm
	Height		855 mm	855 mm	855 mm
	Mass		140 kg	140 kg	140 kg
Ta max	Max amb. op. Temp.		40 °C	40 °C	40 °C
Tstg	Storage temperature		-40/60 °C	-40/60 °C	-40/60 °C



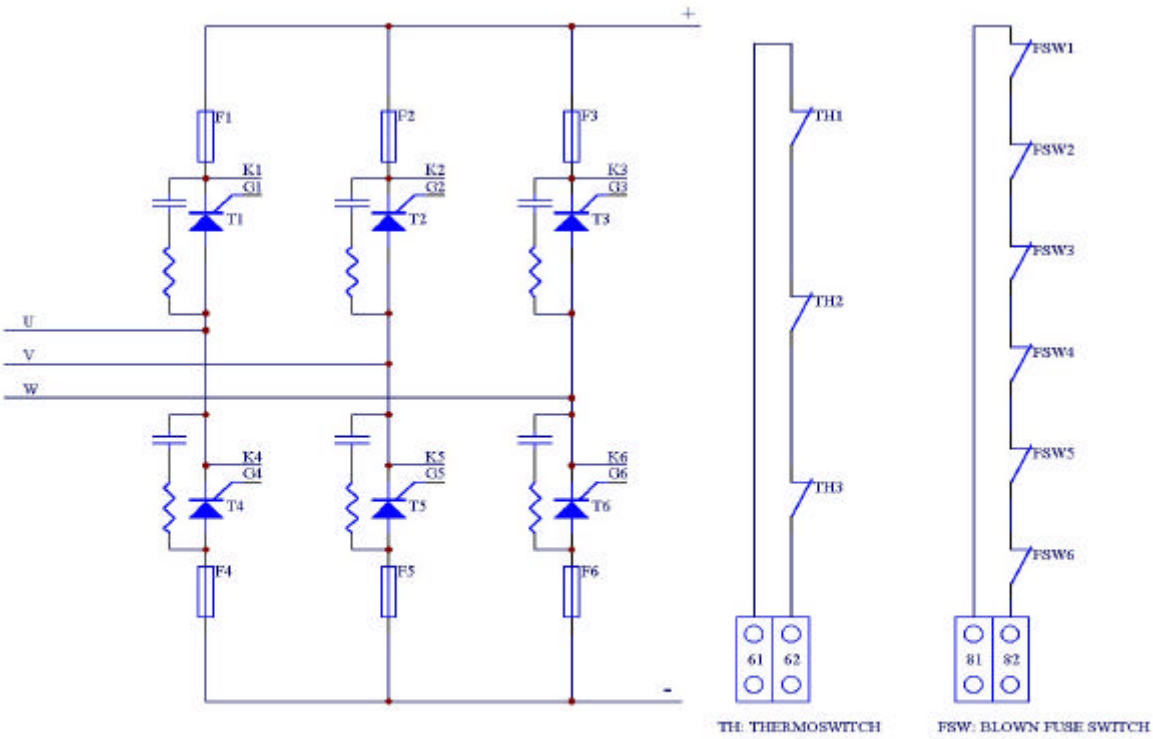




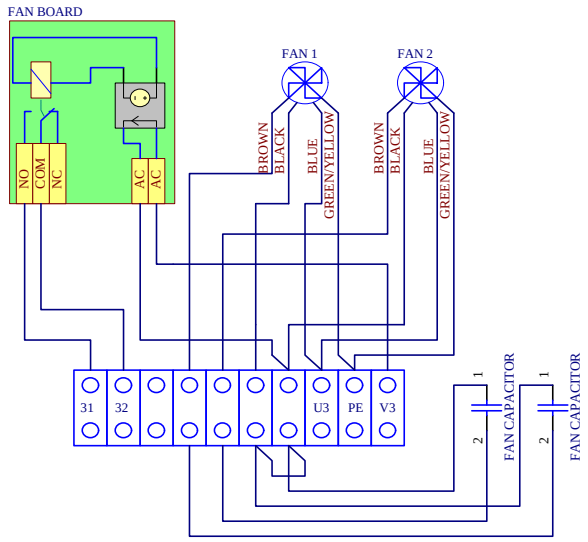
The part numbering system is reported at the beginning of the Open Assembly section.

Customisations are available on request. Please contact factory.

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



61-62: THERMOSWITCH CIRCUIT CONNECTION
81-82: BLOWN FUSE SWITCH CIRCUIT CONNECTION



U3-V3: MAIN SUPPLY
PE: GROUND CONNECTION (GND)
31-32: FAN BOARD CONTACT (CLOSED WHEN FAN RUNNING)

Cooling:

Fan type:	single phase axial
Number of fans:	2
Voltage:	230 V
Current:	1.3 A
Frequency:	50/60 Hz
Noise:	62 dBA

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