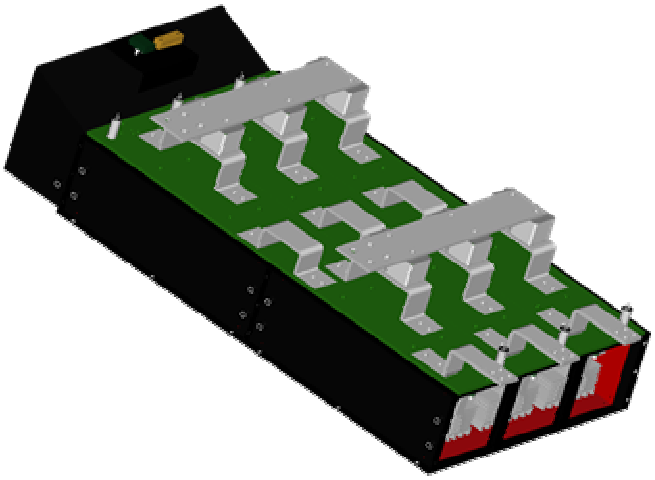
Green Power Solutions srl
Via Venezia 34D - 10088 Volpiano (TO), Italy

Phone: +39-011-988 2251
Fax: +39-011-988 1358
Web: www.gpsemi.it
e-mail: info@gpsemi.it



GOB9xx28

Bi-DIRECTIONAL
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 500V
DC OUTPUT CURRENT 2800A

	GOB94028	GOB95028
Line to line voltage	**400 V**	**500 V**

Characteristic		Conditions	Value	Value	
I_{DC}	DC output current		2800 A	2800 A	
V_{INS} (rms)	Insulation voltage		3000 V	3000 V	

THYRISTOR CHARACTERISTICS

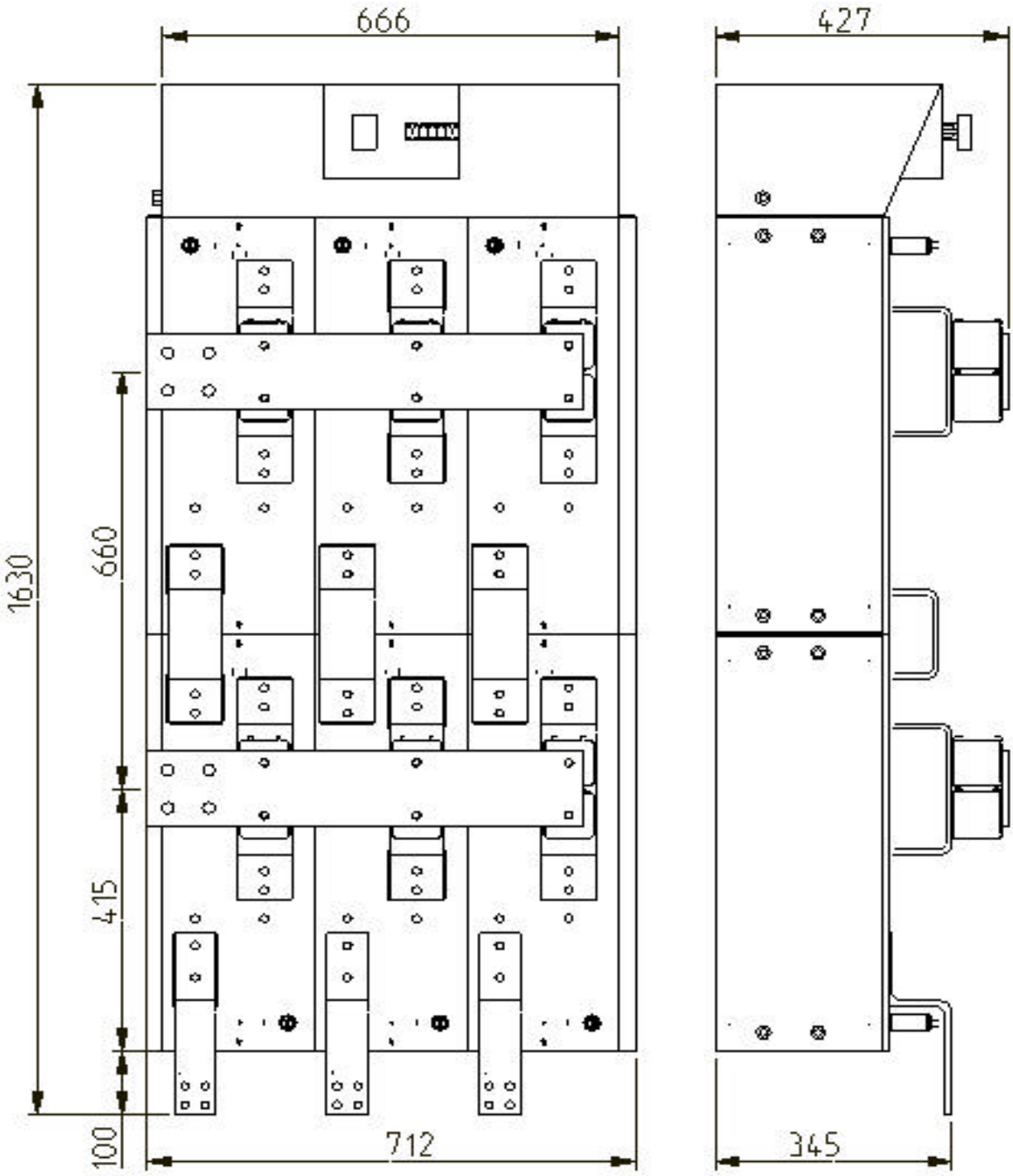
V_{GT}	Gate trigger voltage	T_j = 25 ℃, V_D = 5 V	3 V	3 V	
I_{GT}	Gate trigger current	T_j = 25 ℃, V_D = 5 V	300 mA	300 mA	
dV/dt	Critical rate of rise off-state voltage	Tj= 125 ℃	1000 V/us	1000 V/us	
VRRM	Blocking Voltage	Tj = 125 ℃	1200 V	1600 V	

FUSE TYPE 12x SIBA 2068132.800

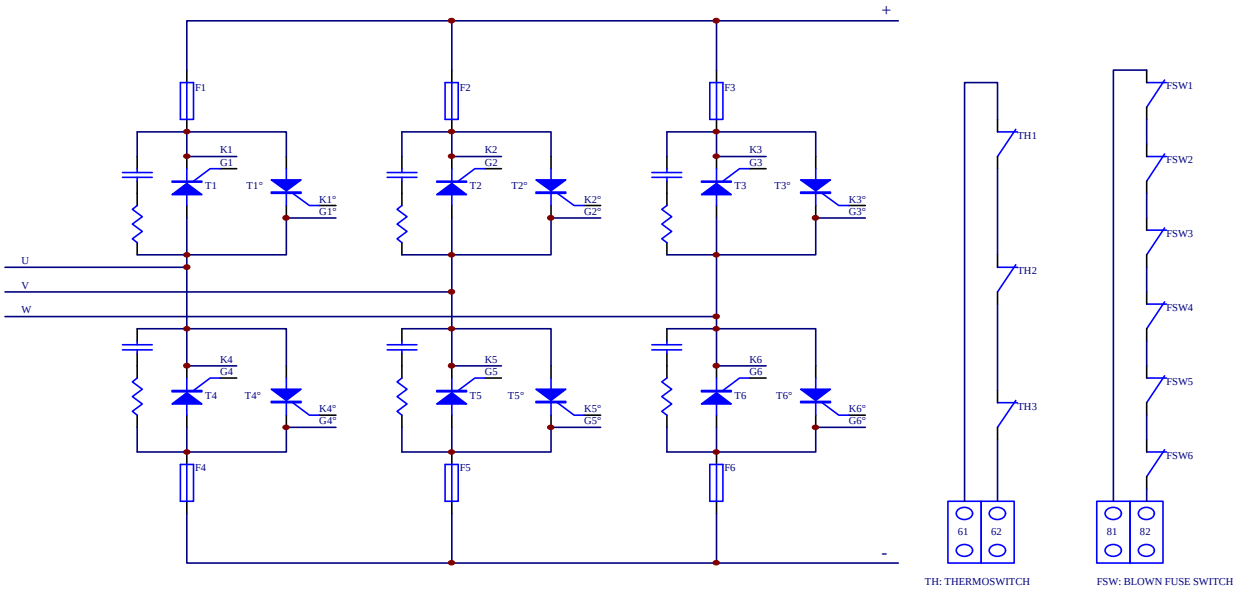
V_{NF}	Rated voltage		690 V	690 V	
I_{NF}	Rated current		800 A	800 A	
P_{VF}	Power loss	At rated current	118 W	118 W	
I^2t	Total I^2t		480 kA^2s	480 kA^2s	

MECHANICAL AND THERMAL CHARACTERISTICS

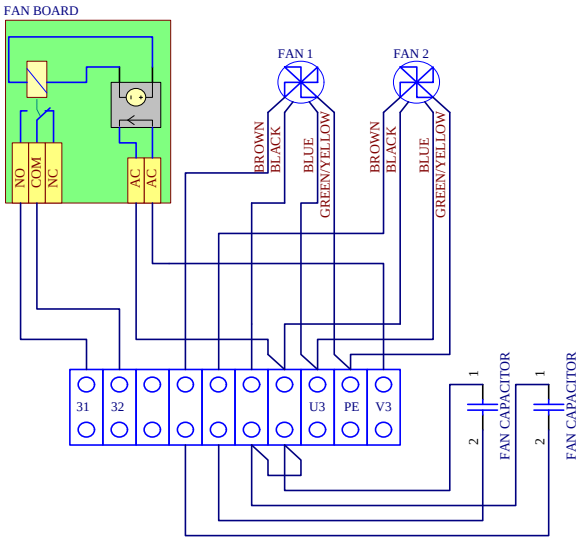
	Width		712 mm	712 mm	
	Depth		495 mm	495 mm	
	Height		1635 mm	1635 mm	
	Mass		260 kg	260 kg	
Ta max	Max amb. op. Temp.		40 ℃	40 ℃	
Tstg	Storage temperature		-40/60 ℃	-40/60 ℃	



In the interest of product improvement Green Power Semiconductors 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 A
Frequency:	50/60 Hz
Noise:	62 dBA

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