

GFA202570

LINE FILTER FOR PHASE CONTROLLED CONVERTERS

IP 20 construction
Compact construction
High filter capacity
Easy paralleling for increased filter capacity

LINE VOLTAGE UP TO 690V
TRANSFORMER POWER UP TO 2700kVA

Line to line voltage	400V	500V	690V
----------------------	-------------	-------------	-------------

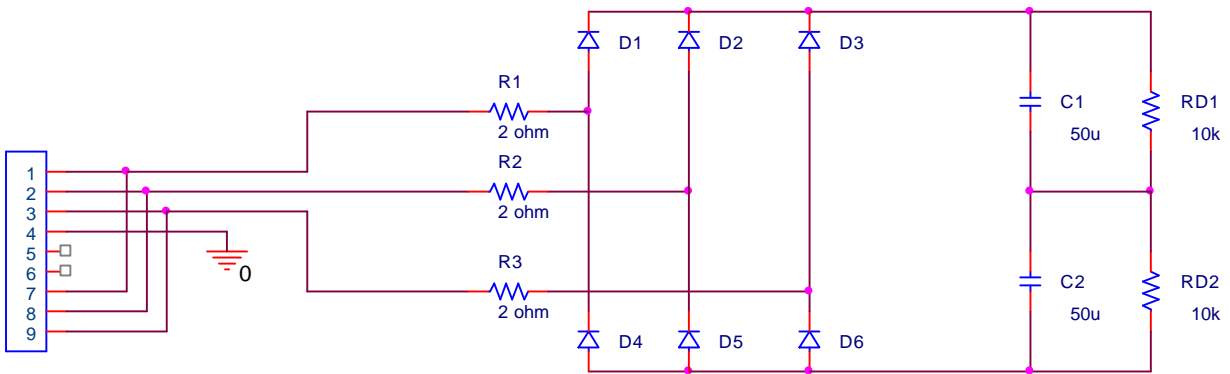
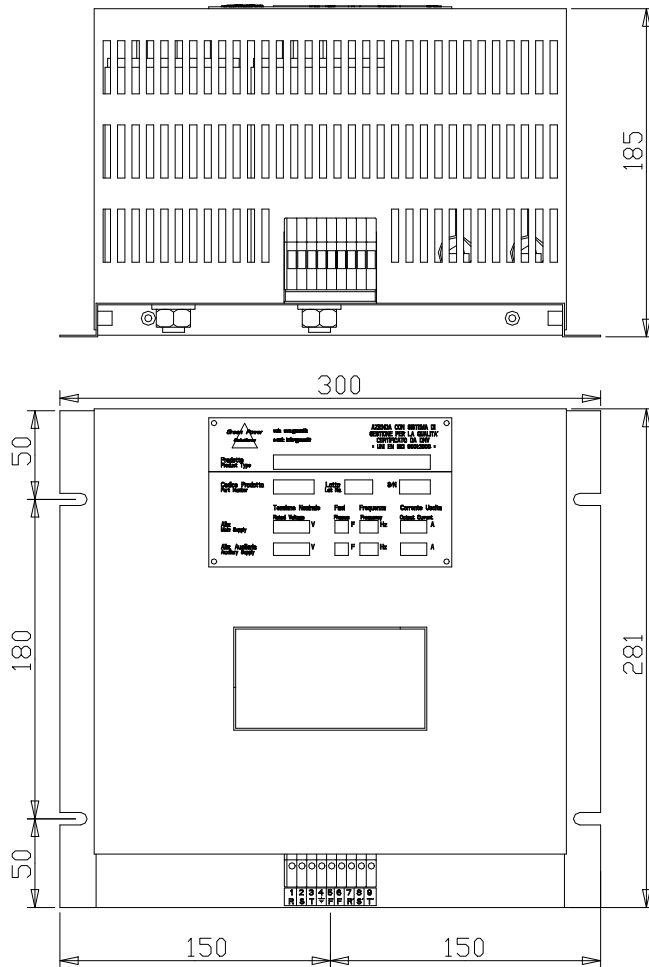
Characteristic		Conditions	Value	Value	Value
S_{MAX}	Maximum transformer power	$Z_{CC} < 5\%$; $f=50\text{Hz}$; $I_0 < 1\%$; $V_{RRM} = 1200\text{V}$ for 400 V _{AC} Line, 1600V for 500V _{AC} Line, 2200V for 690VAC Line	1500 kVA	2500 kVA	2700 kVA
V_{INS} (rms)	Insulation voltage	1 min @ 25°C	2500 V _{DC}	2500 V _{DC}	2500 V _{DC}
P_L	Power losses		20 W	25 W	50 W

COMPONENTS RATINGS

C_F	Total filter capacitance		25 μF	25 μF	25 μF
R_D	Discharge resistance		20 k Ω	20 k Ω	20 k Ω
LE_C	Capacitor life expectancy	@ U_{RMS}	>30000 h	>30000 h	>30000 h

MECHANICAL AND THERMAL CHARACTERISTICS

W	Width		300 mm	300 mm	300 mm
D	Depth		185 mm	185 mm	185 mm
H	Height		281 mm	281 mm	281 mm
M	Mass		5 kg	5 kg	5 kg
T_a max	Max amb. op. Temp.		50 °C	50 °C	50 °C
T_{stg}	Storage temperature		60 °C	60 °C	60 °C



All dimensions are in mm

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.