

FGRA FIBER GLASS RESISTOR ASSEMBLIES



The FGRA series of high power, fibreglass resistors are designed for use in high power inverters. The basis for these models is FGR fibreglass elements surrounded by a metal case, which conforms to international safety specifications. The steel case is powder coated and baked for durability.

SPECIFICATIONS

Model	Internal Resistor	Rated Wattage		Resistance [ohms]	Resistance Tolerance
		With Fan	Free Air		
FGRA6600	FGR1000X4	4kW	2kW	1.83-700	+-5.0(J) +-10(K)
FGRA8300	FGR850X6	5KW	2.5kW	1.43-1200	
FGRA10000	FGR1000X6	6KW	3kW	1.3-1050	

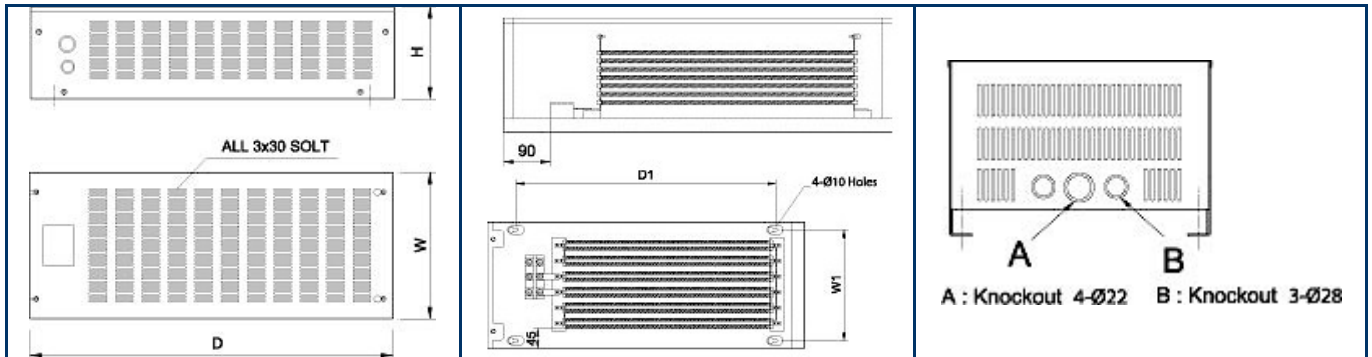
Note: Surface temperature should be kept below 200C. These models come with multiple conduit knockouts for easy wiring. The enclosure is well ventilated and meets int'l safety specs

CHARACTERISTICS

Values in [] mean change in ohms after test

1/Temperature Range	-55 C to +200 C	
2/Insulation Resistance	20Mohms minimum	
3/Dielectric Strength	Available options: AC1500V, 2500V, 3500V. Max. leakage current 2mA	
4/Temp. Coefficient	+-260ppm/C maximum	
5/Short Time Overload	+- [2%+0.05 ohms]	10Xwattage rating-5seconds
6/Moisture Resistance	+- [3%+0.05 ohms]	40 C, 95% RH, DC100V case to terminal (500hrs.)
7/Thermal Shock	+- [2%+0.05 ohms]	wattage rating 30min., -25C, 15minutes

DIMENSIONS



SURFACE TEMPERATURE INCREASE VS. POWER LOAD & DIMENSIONS

