

FEATURES...

- High-power, med-frequency current with IGBT inverter technology.
- Modular packaging and standard hardware (metric) for ease of integration and maintenance.
- Standard firing interface to Medar's MedWeld 3005i Series resistance weld control module.
- Variable operating output frequency from 400 to 1600 Hz.
- Both AVC (Automatic Voltage Compensation) and CREG (current compensation) heat controls.
- Extensive operation and fault diagnostics available visually and via MedLAN serial link.
- Optional secondary current monitoring and control.
- Optional European firing interface.

MedWeld MFDC Inverter



MEDAR

Medar's Medium Frequency Inverter Based DC Welding Systems

Medium frequency inverters (DC) output were introduced by Medar to resistance welding marketplace in 1985. This leading technology touted many advantages that proved valuable when:

- applications require larger secondary such as pogo and large "C" guns and DC welding is not affected by impedences
- zinc galvanize is being used and larger current are required (up to 30% larger) with wider weld lobe envelop as a result of DC power
- shorter weld times are required and as a result, longer electrode life due to DC supply

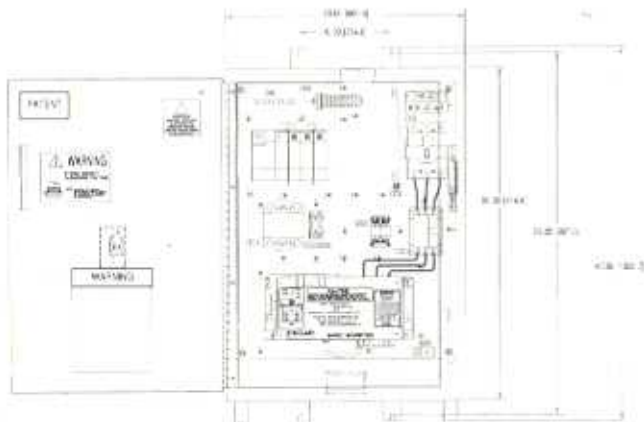
Other features include a much reduced power requirement over conventional AC supplies with the added benefit of balanced three phase load distribution, reduced primary wire size, conduit, circuit breakers. Physically smaller and lighter transformers allowed for elimination of kickless cables and increased in dexterity for the accompanying mechanical equipment.

Full Range of Inverters



MF 1200

MF 600



Medar's Medium Frequency Inverter provides precisely controlled, high performance output to the power source where direct current (DC) is produced for specialized welding applications. As with all MedWeld building blocks, the MFDC Inverter is mechanically interchangeable with our AC power module.

Controlled output from the MF300 Inverter ranges up to 21,000 amperes at 10% duty cycle, the MF600 Inverter ranges up to 36,000 amperes at 20% duty cycle, at a programmed frequency of 400 to 1600 Hertz (Larger Inverters up to 68,000 amperes are available).



BS EN ISO 9001:1994 & TickIT

Certificate Number: FM37138

MEDAR

NOTE: Please consult a Medar sales representative for exact cabinet configurations. Hardware and software features available with each control model.

MEDAR, INC.
38700 Grand River Ave.
Farmington Hills, MI (U.S.A.) 48335
Phone: +1 (248) 477-3900
Fax: +1 (248) 477-8897

MEDAR CANADA LTD.
240 Cordova Rd.
Oshawa, Ontario CANADA
Phone: +1 (905) 433-1230
Fax: +1 (905) 433-1257