

**NEW**

# LOW-FREQUENCY POWER SUPPLIES FOR PLASMA APPLICATIONS



## **COMPACT SIZE AND FLEXIBILITY OF USE**

The POWER SUPPLY, thanks to the compact size and its **modular** form, can be mounted inside a cabinet which is containing other equipment, or in a special cabinet containing also the operator panel.

## **HIGH EFFICIENCY**

Achieved by using the technique of conversion ZVS (resonant converter 40-50kHz).

## **WORKING MODE**

Manual Mode  
Automatic Mode "W"  
Automatic Mode "SPECIFIC POWER"  
Automatic Mode "V.Out"  
Automatic Mode "I.Out"

## **ARC CONTROL**

Automatic sensitivity adjustment depending on the power level of the adjustment mode used.

## **PROGRAMMABLE LOGIC CONTROLLER (PLC)**

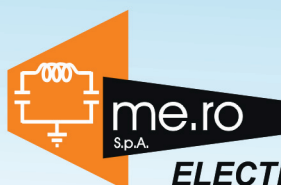
Adjustment and visualization of the analog operating values  
Management of the digital I/O and alarms  
Service reports.  
PROFIBUS-DP.

## **AIR COOLED**

Elimination of frequent problem caused by water cooling.

## **EASY LOAD MATCHING**

Six taps on the secondary of the output transformer with possibility of a fine adjustment by using the variable impedance connected in series to the primary winding.



**ELECTRONIC INDUSTRIAL EQUIPMENT**

VIA BALESTRERI n°430 - 55100 - PONTE A MORIANO - LUCCA - ITALY  
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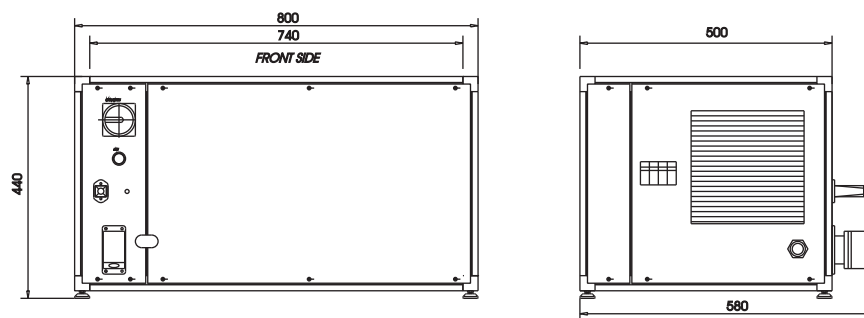
# SPECIFICATIONS

<b>ELECTRICAL</b>	
Line Voltage	3 x380 to 460 V AC - with ground – no neutral
Efficiency	90% at full rated output
Power Factor	0.9 at full rated output
Maximum Absorbed Power	22,5 kVA
Maximum Output Power	20 kW
Output Frequency	40 – 50 kHz
Maximum Output Voltage	1000 Vrms
Maximum Output Current	60 Arms
Load Match	7 taps ( + variable impedance)
Working Mode	Manual Automatic mode "W" Automatic mode Specific Power Automatic mode V.out rms Automatic mode I.Out rms
Arc Control	Automatic sensitivity adjustment depending on the Power Level of the adjustment Mode used.
Interface	Profibus-DP
Cooling	Totally in Air

<b>PHYSICAL</b>	
<b>Generator</b>	
Size	W 800 H 480 D 500 mm
Weight	73 Kg
Protection level	IP44
<b>Output Transformer</b>	
Size	W 580 H 440 D 498 mm
Weight	98 Kg
Protection level	IP44

<b>ENVIRONMENTAL</b>	
Temperature range	5 - 40 °C
Humidity range	15 – 85% non condensing

GENERATOR



OUTPUT TRANSFORMER

