

## **Bdiscom Srl Milan ( I )**

Your experienced partner  
for Plasma power supplies

# **BDS HF 200 - 300 - 750 Active Front Panel Series**



New generation of very price competitive  
and High efficiency 200, 300 and 750 Watt  
13.56 MHz RF generators

# BDS HF 200 - 300 - 750

## Active Front Panel Series

BDISCOM introduce a new generation of low-medium power HF generators intended to satisfy the needs of laboratory grade and small low pressure industrial plasma systems.

- Model **BDS.HF 200-300-750.AFP** 200, 300 and 750 W, Active Front Panel, direct tuner interface.

The low-medium power AFP ( Active Front Panel ) 200, 300 or 750 Watt series is a ½ rack mounted generator with direct tuner control and AFP with LCD touch screen display, friendly user interface software and RS 232-Profibus interfaces up on request.

The unit can be configured also to drive 2 Auto matching networks as option

- Common specifications on **Active Front Panel ( AFP ) generators:**

The BDS HF series is a class E circuit with 85-90% typical efficiency.

The output power is modulated by means of a PWM circuit acting on the DC bus.

### BDS.HF 200-300-750.AFP Specifications:

Dimensions	132.5 x 241 x 400 [mm]
Weight	About 5 kg
Power requirements	World Wide mains supply 120 to 240Vac 50-60 Hz With PFC
Operating frequency	13.56 MHz ± 0.005 % quartz controlled
Output power on 50 Ohm load	From 4 to max 750 W ( different FS versions )
Maximum reflected power	20 %
Harmonic content	-40 dB below fundamental
Power detector	Forward and reverse power, linear scale 3% accuracy
Protection circuits	Excess reverse power, over temperature PA (Power Amplifier) overvoltage, PA over current
RF Output connector	N, female
User Interface	User friendly LCD touch screen display with encoder knob for fine parameter adjustment
User port connector	A/D, Interlock function and remote RF ON
Interfaces	RS 232 – Profibus for remote control ( up on request )
Tuner control	Full interfacing capability with matching units series BDS-AMXXX
Matching network port	D-Type 15 pin female
Operating temperature	From 10 to 40 °C, No condensation or icing
Cooling	Forced air with 80mm fan
Note	Optional: Pulsing capability, CEX Input Smart DC-Bias regulation, driver module for N° 2 auto matching networks

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