



plasma process group

I-BEAM™ 702 RFN Power Supply (Stand-Alone RF Neutralizer)



- **All RFN parameters displayed continuously on large, bright LEDs**
 - **Enables real-time monitoring of RFN and process performance**
- **Flexible control modes - manual, automatic (local), and remote**
 - **Gives you full control over your process**
- **Highest quality and state of the art electronics for durability, dependability and long life**
- **Complete CE certification and RoHS compliant**
- **Separate display and keypad for programming, simplifying setup and operation**

Description

The I-BEAM™ 702 Stand Alone RFN Power Supply provides power and control for RF neutralizers and is designed specifically to optimize performance of Plasma Process Group's RFN.

For production applications, the I-BEAM™ 702 RFN power supply is designed for reliability and ease of use. Control modes allow operation either from the front panel or remotely through the RS-232 interface. In remote control mode, operating parameters are set via the interface.

Manual control mode gives the operator control of neutralizer emission to respond to any unexpected circumstances. Up to 9 sets of operating parameters can be stored in the I-BEAM™ 702 RFN power supply.

The I-BEAM™ 702 RFN is also well suited for research & development applications. A separate display and keypad make setup and operation quick and easy. All RFN operating parameters are displayed continuously on individual large LED displays for clear and easy to read visibility.

Whether you're in a research or production environment, Plasma Process Group is committed to providing you with the best support possible. Help is never more than a phone call away (or email if you prefer). Our people have many years of experience with ion beam sources, systems, and applications, and we're happy to share that with you. Give us a call.

Specifications

Power Outputs

RF generator for RFN	100 W
Keeper for RFN	60 V, 300 mA
RFN Emission	120 V, 900 mA

Output Connections

Neutralizer	5 pin industry standard: 97-3102A-14S-5S Mil Spec
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Interface

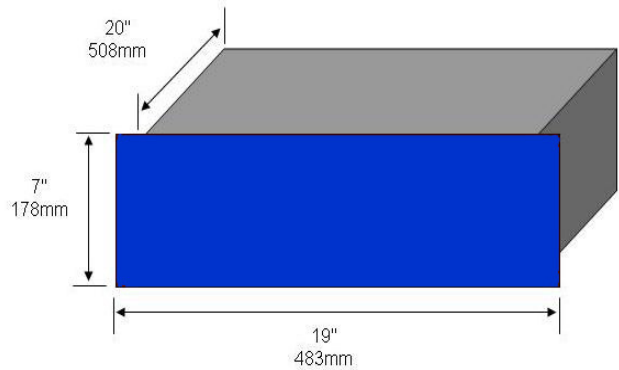
Communications	RS-232, DB 9 female
Interlock / Remote Switching	DB 9 female

Power Input

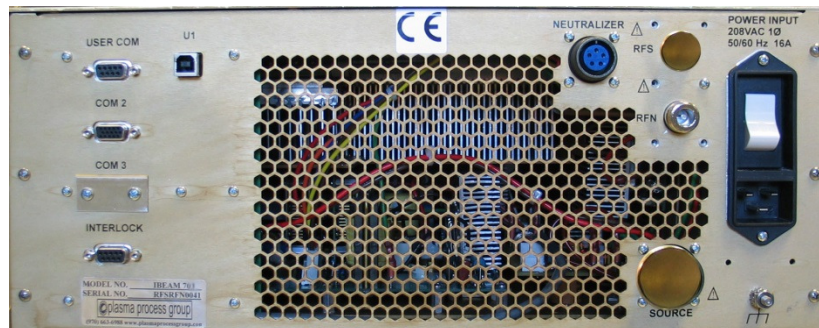
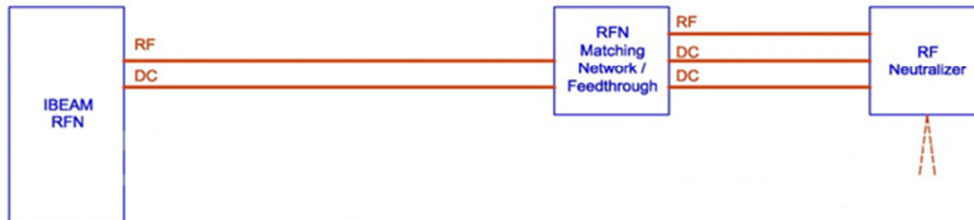
208 VAC, 50/60 Hz, 16 A, 1 phase

Chassis

Mounting	19" rack mount, 4U height
Size (width x height x depth)	19" x 7" x 20" 483 mm x 178 mm x 508 mm
Weight	40 lbs (18 Kg)



RF Neutralizer System Block Diagram



Ordering Information

IBEAM 702	I-BEAM™ RFN Power Supply (order cables & neutralizer separately)
505347A	RFN DC Cable, 5-pin, 18 ft, for I-Beam Power Supplies
505410A	RFN RF Power Cable, N-Ntype, 18 ft, for I-Beam Power Supplies
504424B	RF Neutralizer



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