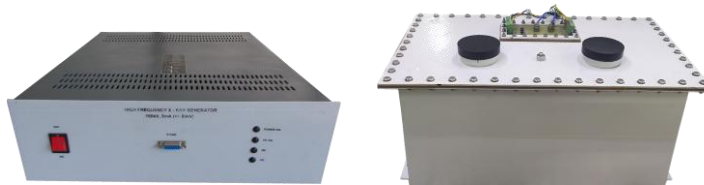


This series of high-frequency power supplies, designed for continuous NDT inspection, are available in 125kV, 160kV, and 220kV models, each with a 5mA output. Compact and reliable, they connect to X-Ray tubes for superior imaging and better evaluation. Ideal for OEM applications.

Features:

- ❖ Compact
- ❖ Superior Imaging
- ❖ Microprocessor / PLC control
- ❖ Easy Serviceability
- ❖ OEM Customization Available



TECHNICAL SPECIFICATIONS			
PARAMETER	SPECIFICATION		
Input Voltage	230V $\pm$ 10% A C, 50Hz, single phase		
No. of Output	2		
Output Voltage 1 Output Voltage 2	125kV	160kV	220kV
	0 to +62.5kV DC	0 to +80kV DC	0 to +110kV DC
	0 to -62.5kV DC	0 to -80kV DC	0 to -110kV DC
Output Current	0 to 5mA		
HF Generator Frequency	40kHz		
Filament Voltage and Current	As per tube selection by OEM		
Polarity	Positive and negative		
Protections	Over voltage, over current, filament open fault, short-circuit, and arc		
Line Regulation	<0.1% for 10% variation in input voltage		
Load Regulation	<0.5% for 10% load variation (tube current)		
Mode of Operation	Constant voltage-constant & current (x-ray anode current)		
0-10VDC Signals from PLC to Power Supply	Output voltage control Output current control		
0-24V DC Signals from PLC to Power Supply	Selection of HV ON/Off, small / large filament, rotor start / stop		
0-10VDC signals from Power Supply PLC	Output voltage readout Output current readout		
Rotating Anode Circuit	Based on 24VDC signals from the PLC, control the rotor supply 160V for 0.8sec and 40V for running till the presence of the 24V DC		
Topology	SMPS		
Cable and Connectors	To be supplied by the OEM		
Housing HT Tank (LxWxH)	125kV	160kV	220kV
	MS tank (475mm X 310mm X 243mm)	MS tank (550mm X 320mm X 248mm)	MS tank (650mm X 400mm X 753mm)
Inverter (LxWxH)	19" Rack (440mmx458mmx142mm)		

For any queries or customization requests contact us at info@ionics.co.in
For product line information visit us at www.ionics.co.in