

The high frequency X-Ray Monoblock consists of an inverter and oil-filled tank which houses the high voltage transformer and tube. It has been designed and developed for OEM application in fluoroscopy and radiography C-arm units. The high frequency output allows for lower kV per exposure, shorter exposure and superior imaging.

Features:

- ❖ Compact & light weight
- ❖ Reduction in dose
- ❖ Superior imaging
- ❖ Tablet / Keyboard Control
- ❖ Easy serviceability

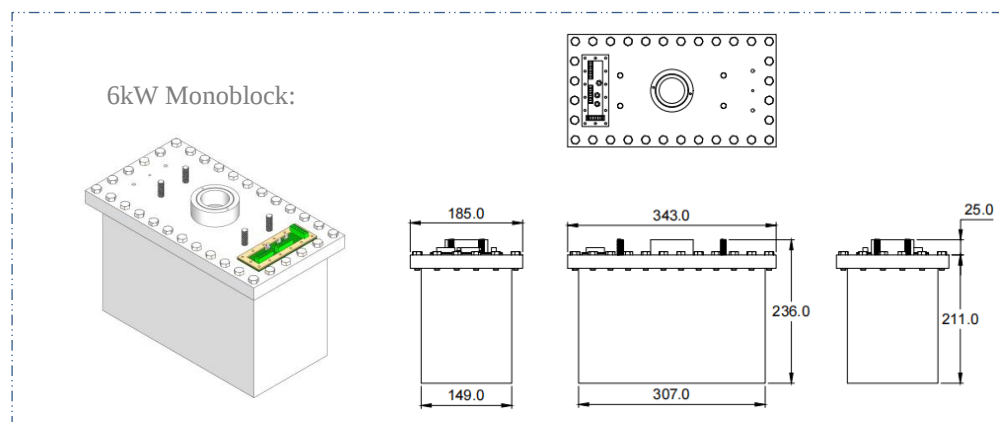
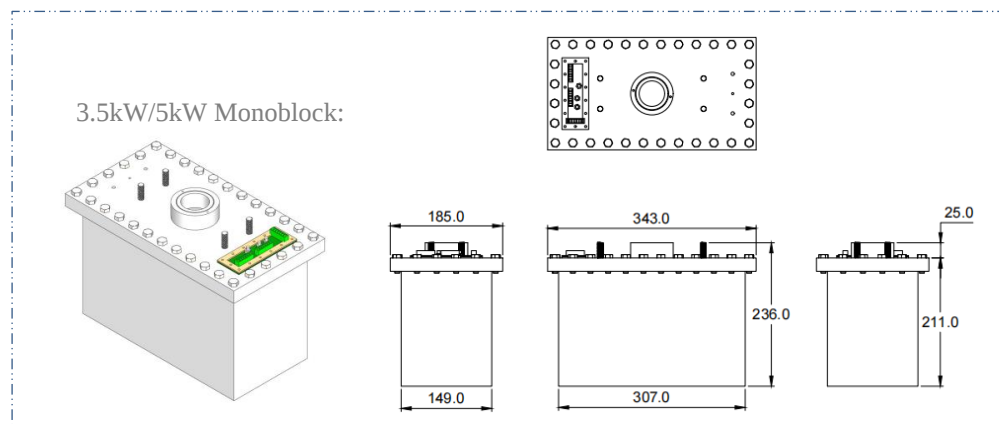
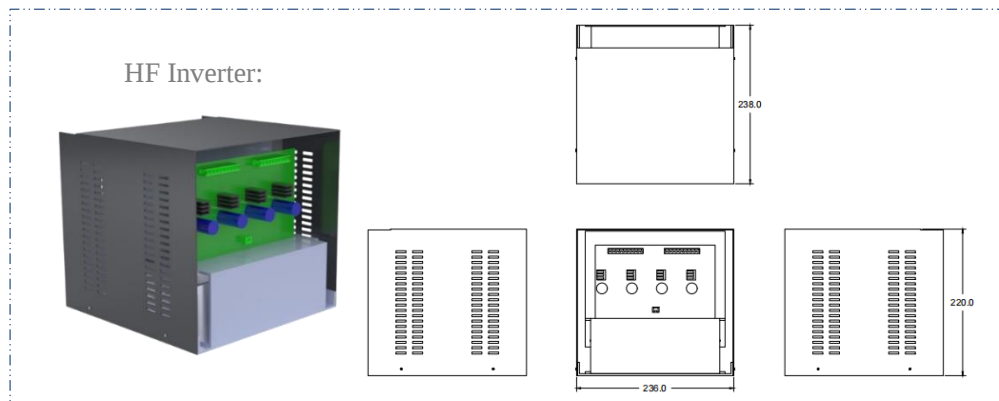


TECHNICAL SPECIFICATIONS

PARAMETER		SPECIFICATION		
Input Voltage		230V ±10% AC, 50Hz, single phase		
Model (Maximum Power)		XRC3.5 (3.5kW)	XRC5 (5kW)	XRC6 (6kW)
		30mA at 110kV	40mA at 120kV	50mA at 120kV
Maximum Output Power		40mA at 80kV	50mA at 100kV	80mA at 75kV
		80mA at 40kV	100mA at 50kV	100mA at 60kV
HF Generator Frequency		80kHz		
Protections		Over Voltage, Over Current, Over Temperature, Filament Fault, Earth Fault, Rotor Fault, Inverter Fault		
Application		Suitable for Fluoroscopy and Radiography		
Fluoroscopic				
Modes		Boosted, ABS, Continuous, Snap shot & Pulsed		
kV Range		40kV to 110kV in 70 steps	40kV to 120kV in 80 steps	40kV to 120kV in 80 steps
mA Range	Continuous Mode	0.5mA to 3mA	0.5mA to 3mA	0.5mA to 5mA
	Single-Pulse & Multi-Pulse, Snap Shot, Boosted Fluoroscopy	6mA and 8mA	10mA and 15mA	10mA and 15mA
Fluoro Timer		0 to 3 min and reset	0 to 3 min and reset	0 to 5 min and reset
Continuous Exposure Time		3 min ON 8 min OFF (depends on tube)	3 min ON 8 min OFF (depends on tube)	5 min ON 5 min OFF (depends on tube)
Radiographic				
kV Range		40kV to 110kV in 70 steps	40kV to 120kV in 80 steps	40kV to 120kV in 80 steps
mA Range		20mA to 80mA	20mA to 100mA	20mA to 100mA
mAs		0.1 to 200mAs in 21steps		
Time		10 ms to 5 s		
X-Ray Tube				
Model		Stationary Anode Dual Focus	Stationary Anode Dual Focus	Rotating Anode Dual Focus
Focal Spot		0.6/1.5	0.6/1.8	0.3/0.6
Nominal Voltage		110kV	120kV	120kV

Remote Control				
User Interface		Touch screen tablet with Microcontroller based control		
Housing	Monoblock	Contains high voltage transformer, X-ray tube & filament transformers floating on high voltage		
	HF Inverter	Contains inverter, control cards, filament card and other interlocks.		
Size (L x W x H)	Monoblock	347mm x 182mm x 211mm	347mm x 182mm x 211mm	347mm x 192mm x 247mm
	HF Inverter	233mm x 238mm x 220mm		
Weight	Monoblock	17 Kgs	17 Kgs	21.5 Kgs
	HF Inverter	10 Kgs		

*Higher exposure time available at an extra cost. (Size of the capacitor bank cabinet will vary accordingly)



For any queries or customization requests contact us at info@ionics.co.in

For product line information visit us at www.ionics.co.in