

# Industrial X-Ray Equipment



	GX100	GX160	GX225	GX320	GX450
Max. Power		4000 W		4500 W	
KV Range	5 - 100 kV	10 - 160 kV	10 - 225 kV	20 - 320 kV	20 - 450 kV
KV Resolution		0.1 kV		0.1 kV	
KV Accuracy		± 2% of Demand Value		± 2% of Demand Value	
KV Reproducibility		Better Than ± 0.01KV		Better Than ± 0.01KV	
mA Range	0 - 30 mA	0 - 30 mA	0 - 30 mA	0 - 30 mA	0 - 20 mA
mA Resolution	0.01 mA	0.01 mA	0.01 mA	0.01 mA	0.01 mA
mA Accuracy		± 0.5% of Demand Value		± 0.5% of Demand Value	
mA Reproducibility		Better Than 2µA		Better Than 2µA	
Line Regulation		± 0.005%		± 0.005%	
Load Regulation		± 0.05%		± 0.05%	
High Voltage Ripple		<5v/mA		<5v/mA	
Drive Frequency		45 KHz		45 KHz	
Rise Time		Zero to Full Load in Less Than1 Second		Zero to Full Load in Less Than1 Second	
Input Voltage		220V ± 10%, 47 - 63 Hz		220V ± 10%, 47 - 63 Hz	
Input Current		25A at 220V		25A at 220V	
Power Factor		Active PFC Better Than 0.98		Active PFC Better Than 0.98	
Output Connector	R24	R24	R24	R24	R24
Dimensions Cathode (W X H X D)	410 X 586 X 553 mm	410 X 586 X 553 mm	412 X 785 X 667 mm	410 X 586 X 553 mm	412 X 785 X 667 mm
Dimensions Anode (W X H X D)				410 X 586 X 553 mm	412 X 785 X 667 mm
Weight Anode	130 KG	130 KG	165 KG	240 KG Combined	305 KG Combined
Storage Temperature		-40°C to +70°C		-40°C to +70°C	
Operational Temperature		0°C to 40°C		0°C to 40°C	
Relative Humidity		95%		95%	
Duty Cycle		100%		100%	
Comms	RS232 / RS422 - Ethernet / USB Interface				

## Features & Benefits

- Class leading stability & repeatability of voltage and current delivered through the latest SMD technology.
- Dynamic Tube Arc Management ensures uninterrupted performance in the event of a tube discharge.
- 0-full power in 800mS where application demand rapid start up times.
- Active PFC Technology ensures optimal generator operating efficiency.
- Built-in voltage, power and tube current safety limits ensure ultimate protection for X-ray tubes.
- Full microprocessor control via serial control PCB or MP1 controller with data logging for system fault finding.
- Oil insulated epoxy resin encapsulation allow field service and repair of high voltage tank.
- ISO 9001 certified quality management system and CE certified.

DATA SHEET