

TX-BAT Series

Transportable X-ray power supply in stand alone unit configuration with instrumented front panel

16 standard models

Vin : 24Vdc or universal 85-264 Vac depending on model

Vout : up to +90V

Poutmax : up to 180Watts



This range of high voltage power supplies is specifically designed for supplying energy to X-ray tubes while being transported or moved from one place to another. Also ideal for applications where AC input is not allowed, or not available. Those units can be controlled either manually or through remote controls. High voltage source: the voltage and the current are adjustable. Filament current source: the current is auto-regulated to generate the expected high voltage current. The maximum filament current is adjustable and the maximum output power is 180 Watts.

Parameters	Specifications
High Voltage assembly	<ul style="list-style-type: none"> the bench top case integrates a XR block plus facilities line input : solution 1 : 24Vdc \pm2Vdc solution 2 : universal 85-264 Vac + mains ON/OFF switch on rear panel
Controls and metering on front panel	<ul style="list-style-type: none"> safety key high voltage ON/OFF switch and indicator selection switch for the Local/Distant mode output Voltage and current metering by 3.5 digits digital meters output Voltage and current setting via 10-turn potentiometers with turns-counting dial
Controls on rear panel	<ul style="list-style-type: none"> input 24Vdc through BR2 connector fuse for 24V : 2,5A temporised mains ON/OFF switch high voltage output through UHF type connector heating output through LEMO® connector TTL (ON/OFF) 0V,+5V HV status additional output 12V 0,5W Sub-D connector for remote setting and monitoring screw plug for grounding
Chassis, dimensions	chassis 2U 42E, Length: 257mm, Height: 103mm, Width: 313mm,
Weight	5kg

TX-BAT Series Selection Guide

Model	V _{out}	I _{out}	P _{out}
TX-BAT 103101	10kV	0.10 mA	1 W
TX-BAT 103201	10kV	0.20 mA	2 W
TX-BAT 103301	10kV	0.30 mA	3 W
TX-BAT 103501	10kV	0.50 mA	5 W
TX-BAT 103102	10kV	1.00 mA	10 W
TX-BAT 303101	30kV	0.10 mA	3 W
TX-BAT 303201	30kV	0.20 mA	6 W
TX-BAT 303301	30kV	0.30 mA	9 W
TX-BAT 303401	30kV	0.40 mA	12 W
TX-BAT 303501	30kV	0.50 mA	15 W
TX-BAT 503102	50kV	1.00 mA	50 W
TX-BAT 503152	50kV	1.50 mA	75 W
TX-BAT 503202	50kV	2.00 mA	100 W
TX-BAT 603102	60kV	1.00 mA	60 W
TX-BAT 803251	80kV	0.25 mA	20 W
TX-BAT 903202	90kV	2.00 mA	180 W