

Power Supplies



Product Description:

Our Power Supplies are designed to power tunable monochromatic quasi-optical sources of millimeter and submillimeter wavelength (VR-3M) or terahertz (VR-6M, VR-6MU) radiation based on Backward Wave Oscillators (BWO's). The Power Supplies consist of a cathode power supply, grid power supply and heater power supply unit. All the voltages are highly regulated, insuring stable BWO operation with very low level of incidental modulation on the output power. The Power Supplies are equipped with an interlock system, which protects the BWO's from accidental fluctuations in the applied voltages. An optional software package and digital-to-analog converter (DAC-16) enable computer control of the system via RS232 or GPIB interfaces.

Key features include:

- 3 kV and 6kV versions available
- High power stability with low line ripple for narrow spectral linewidth
- Univeral versions available for customers with QS1 and QS2 sources

Product Image:



Product Specifications:

PARAMETERS	VR-3M	VR-6M	VR-6MU
Supported models	QS2's	QS1's	All models
Output Voltage	300-3000 V @ 0-40 mA	0-6000 V @ 0-50 mA	0-6000V @ 0-50 mA
Max DC current	2.75 A	2.75 A	2.75 A
Current Draw	150 W	500 W	500 W
Dimensions	6"x15"x15"	10"x20"x20"	10"x20"x20"