This series of power supplies incorporate the high frequency switch mode technology to give highly regulated chassis mountable modular units with kV range varying from 10kV to 50kV catering to a wide variety of scientific and industrial applications that include XRF instruments for elemental analysis, electro-spinning, hi-pot testing electrophoresis, cable testing, etc.

 **REGULATED HIGH VOLTAGE MODULE FOR XRF APPLICATION**

**10kV to 50kV, 1mA**

**Features:**

* Compact & Modular
* Precision Regulated
* High stability
* Remote operation

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| **Technical Specifications** |
| **PARAMETER** | SPECIFICATION |
| Input voltage | 24V DC ± 10% |
| Output Voltage\* | 0 to 10/20/30/40/50kV DC |
| Output Current | 0 to 1mA |
| Polarity \* | Positive / Negative |
| Line Regulation | <0.05% for±10% variation in input voltage |
| Load Regulation | <0.1% for 10 to 100%load variation |
| Stability  | <0.01%hour after 1 hour warm up |
| Protections | Against overload, arc and short-circuit During short circuit, internal circuitry limits the short circuit current  |
| Front Panel | 24V DC input through 1.0sqm PVC wires Fuse holder with fuse (on top plate) RF connector for HV output9 pin D-connector for remote controlStud for grounding the unit |
| Size  | 5” x 9” x 3” (W x D x H) |
| Weight  | 2.5kg |
| Output cable  | 26” of HV DC cable |

* OEM Customization available

\*Optional. To be specified by the user.

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| Remote Interface Connector Configuration |
| Pins | **28 Pin Pluggable Connector** |
| 1 | Common |
| 2 | HV Enable (Active Low) |
| 3 | Voltage Program  |
| 4 | Voltage Monitor |
| 5 | Current Program |
| 6 | Current Monitor |
| 7 | Reserved |
| 8 | Reserved |
| 9 | +10V DC Reference |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ordering Code | MF | 050 | K | 050 | W | P | C | 2 | D | 4 | L |
|  | **1** |  | **2** |  | **3** |  |  |  |  |  |
| Section | **Description** | **Options** | **Options Description** |
| 1 | Output Voltage | XX | Value of output voltageXX=10/20/30/40/50:For 10/20/30/40/50kV |
| 2 | Output Power | YY | Value of output power (XX x 1mA)YY=10/20/30/40/50W |
| 3 | Polarity | P | Positive |
| N | Negative |







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

For product line information visit us at [www.ionics.co.in](http://www.ionics.co.in)