This series of power supplies incorporate the high frequency switch mode technology to give highly regulated panel mountable portable units with kV range varying from 10Kv to 60kV catering to a wide variety of scientific and industrial applications. All controls & displays are detachable for external operation from panel.

 **REGULATED HIGH VOLTAGE POWER SUPPLY**

**10kV to 60kV, 400µA**



**Features:**

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

|  |
| --- |
| **Technical Specifications** |
| **PARAMETER** | SPECIFICATION |
| Input voltage\* | 115V or 230V± 10% AC, 50Hz, single phase |
| Output Voltage\* | 0 to 10/20/30/40/50/60kV DC |
| Output Current | 0 to 400µA / 1mA |
| Polarity \* | Positive / Negative |
| Line Regulation | <0.05% for±10% variation in input voltage |
| Load Regulation | <0.05% for 10 to 100%load variation |
| Stability  | <0.01%hour after 1 hour warm up |
| Regulating Mode | Constant voltage |
| Voltage control(From zero to rated kV) | By external 10-turn potentiometer with lockable counting dial |
| Protections | Against overload, arc and short-circuit During short circuit, power supply trips & to be manually reset to restart |
| Front Panel  | 25pin D-connector for external operation Series I9pin D-connector for remote control 25pin D-connector for external operation Series IIPower ON/OFF switch HV ON/OFF switch with indication3½ digit voltage and current meters Series III10-turn potentiometers for voltage and current controlConstant voltage – constant current mode indicationLED indications for faults |
| Back Panel | 10pin terminal blockFuse holder with fuseRF connector for HV outputStud for grounding the unit |
| Topology | High frequency switch mode |
| Size  | 10” x 10” x 5” (W x D x H) |
| Output cable  | 1.5meters of HV DC cable |

* OEM Customization available

\*Optional. To be specified by the user.





Series-1





Series-2





Series-3

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ordering Code | MF | 050 | K | 020 | W | P | C | U | D | 4 | L |
|  | **1** |  | **2** |  | **3** |  |  |  |  |  |
| Section | **Description** | **Options** | **Options Description** |
| 1 | Output Voltage | XX | Value of output voltageXX=10/20/30/40/50/60:For 10/20/30/40/50/60kV |
| 2 | Output Power | YY | Value of output power (XX x 400µA)YY=04/08/12/16/20/24;for 4/8/12/16/20/24W |
| 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)