



ZEONICS SYSTECH
DEFENCE & AEROSPACE ENGINEERS (P) LTD.



High Voltage SMPS - based Low Current Power Supplies



There is a lot of requirement where high voltage power supplies are required for energizing circuits, charging capacitors, using spark gaps & similar equipment. These SMPS-based power supplies essentially are very high voltage in the region of 50kV, 100kV, 150kV, 200kV, 250kV, but the currents are low and most of them are within 1500 watts. We manufacture power supplies which can go up to 1.5kW & they are available in very high voltage ratings, modular construction, separate construction, etc.

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High Voltage 150 kV DC Power Supply

1. Input : 230 V, 50HZ, 1 Phase
2. Output : 0 to 150 kV D.C. TO 700 μ A
3. Polarity : Optional +ve or -ve Output
4. Duty : Continuous Operation
5. Applications : Electrophoresis, poling, Electro spinning, Ion Acceleration, Nuclear Science, X - Ray
6. Type : Z/33/200



High Voltage 50kV Power Supply

1. Input : 230 volts, 50Hz, 1 Phase
2. Output Voltage : 0 to 50 kV DC
3. Output Current : 2mA Maximum
4. The system has a pneumatic current so that we can reach to the full voltage & then transfer the power to the load.
5. Type No. : Z/34/194



High Voltage 250kV DC Power Supply

1. Input : 230 Volts, 50Hz, 1 Phase
2. Output : 0 to 250 kV D.C. at 1mA maximum
3. Configuration : HV / HF + Multiplier
4. Duty : Continuous at 70% of output voltage
5. Type No. : Z/32/174 (881) / S/17/76



High Voltage 30kV DC Power Supply

1. Specs : As Per Mil 1512 (Test 205) USAF
2. Voltage : Max 30kV Pulse
3. Duration : Micro Seconds
4. Voltage : 5kV to 30kV
5. Type : Z/37/156
6. PRR : Max 20 ppm



High Voltage DC Power Supply

1. Voltages Available : 50kV, 100kV, 150kV
2. Isolation : Level 60kV, 120kV, 200kV
3. Air Pressure : 40PSI
4. Max Current : 40kV to 150kV
5. Contacts : Alkonite / Tungsten
6. Type : Z/33/28
7. Operating Voltage : 230V 50Hz or 12 volts Battery

Advantages

Our Power supplies are very simple in construction, yet reliable. They are not prone to EMI, RF & EMP. They are very simple by way of internal circuit configuration, they have displays, they are fully connectorized, they have high voltage safety taken into consideration by using proper high voltage cabling, etc.

Applications

Similar power supplies are used for lots of applications like nuclear implantation, electrospinning, electrodeposition, charging of capacitors, applications of blasting, for missile applications & applications where specialized weapons & electromagnetic systems require high voltage in compact atmospheres.

Testing

All power supplies can be tested at our end for high voltage as well as current and power. We have load banks where there are capacitors & the high voltage power supplies can be systematically tested.

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