



**ZEONICS SYSTECH**  
DEFENCE & AEROSPACE ENGINEERS (P) LTD.



# Special Purpose Pulse Power Sources



We manufacture Pulse Power Sources both in High Energy as well as High Voltage ratings. The sources we develop and manufacture go to 1000kV and upto 500kA routinely.

These supplies are made as per the requirement of the customer and they are custom built for specific applications.

Proudly Made in INDIA





### High Voltage 300kA / 40kJ Pulse Power Source

- |                |                                   |
|----------------|-----------------------------------|
| 1. Input       | : 15kV DC (OR) 230V, 50Hz, 1Ø     |
| 2. Output      | : 15kV pulses at 200kA to 300kA   |
| 3. Energy      | : 40 kJ                           |
| 4. Application | : Magna Forming                   |
| 5. Duty        | : 10 shots /hour ; 30 shots /hour |
| 6. Type No.    | : Z/41/1                          |



### Coaxial 2.5kJ Exploder System 4500 Volts

- |                        |              |
|------------------------|--------------|
| 1. Working Voltage     | : 4500 volts |
| 2. Maximum capacitance | : 28 mF      |
| 3. Maximum current     | : 90kA       |
| 4. Type No.            | : Z/32/190   |



### High Voltage Pulse Setup

- |               |   |
|---------------|---|
| 1. Components | : HV Power Supply 0 - 150kV DC, HV Capacitor & Peaking Gap system |
| 2. PRR        | : max 10pps   |
| 3. Rise time  | : 1ns   |
| 4. Weight     | : 260kgs  |
| 5. Type No.   | : ZHS/07/57   |



### High Voltage Blaster System

- |              |                       |
|--------------|-----------------------|
| 1. Input     | : 230Volts 50Hz 1Ø    |
| 2. Output    | : 180kV pulse at 2PPS |
| 3. Rise time | : < 10ns              |
| 4. Impedance | : 50 Ω /200 Ω Lines   |
| 5. Type No   | : Z/37/10             |



### High Voltage 10kJ/ 20kJ Magna Forming Equipment

1. Maximum Voltage : 18kV DC
2. Maximum Energy : 20kJ / 30kJ also
3. Type : Magnetic Welder
4. Welding : Plastic to Metal
5. Type No. : ZHS/01/26

### Applications

The applications are Z pinch Plasma, Coaxial exploders required for certain applications, High Voltage Pulse Generation for EMP and such applications and Magna forming. This have to be installed specifically for purpose like Propulsion, Magnetic forming, etc., and can be designed and develop for specific applications also, they can be also used a EMP Pulsers for coupling to EMP Antennas for generating the fast rise time transients .

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