This high current pulsed generator was designed and developed for research purpose

**HIGH CURRENT PULSED GENERATOR**

**5V, 2000A DC Pulsed**

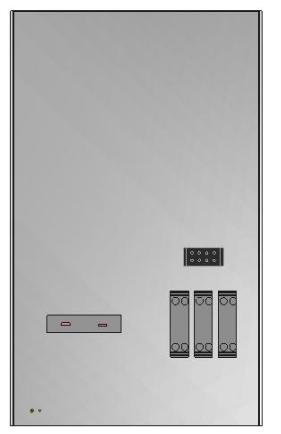
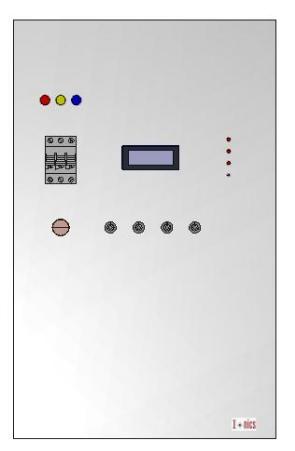


in Mechanical and Aerospace Engineering.

**Features:**

* Pulsed Output in Compact Unit
* Regulated
* Frequency & Duty Cycle Controllable
* OEM Customization Available

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| **Technical Specifications** | |
| **PARAMETER** | SPECIFICATION |
| Input Voltage | 415V ±10% AC, 50Hz, three phase |
| Output Voltage (In Pulsed mode) | 5Vmax |
| Output Current Range | 0 to 2000A |
| Frequency Range | 0.2Hz to 100Hz variable |
| Frequency Control Range | Minimum to maximum of rated frequency range |
| Duty Cycle Control Range | 0 to 50% (10ms max) |
| Maximum Pulse ON Time | 1 to 10ms adjustable |
| Polarity | Positive |
| Mode of Operation | Pulsed. With a provision for single shot |
| Regulating Mode | Constant current |
| Regulation | ≤ 1%+IGBT drop |
| Controls   * Voltage * Current * Frequency * Duty Cycle | By 10-turn potentiometers on the front panel |
| Waveform reading | Terminals provided to read the output voltage and current waveform |
| Protections | Against over load, short-circuit and arc |
| Front Panel | Mains ON/OFF switch  Power ON/OFF Switch  Single alphanumeric display for peak voltage, peak current, frequency and duty cycle  10 turn potentiometers for voltage, current, frequency & duty cycle control  Indications for 3 phase ON/OFF  Faulty indications  Push buttons for trip reset |
| Back Panel | Terminal block for 3 hhase mains input Fuse holder with fuse  Buss bar terminals for high current output  Stud for grounding the unit |
| Topology | PWM-controlled switch mode |
| Regulating Device | IGBT |
| Cabinet | MS cabinet, powder coated |



For any queries or customization requests contact us at [info@ionics.co.in](mailto:info@ionics.co.in)

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