

## ABOUT US

Statcon was created and set up by two design engineers more than 20 years ago to meet the Industrial Application of STATIC ENERGY CONVERSION. Spread over 14500 Sq. ft. area at Noida, just 20 km away from Delhi, the manufacturing facilities include transformer manufacturing, fitting, assembly, PCB assembly & testing.

The company has in-house facility for PCB's environmental testing and burn-in facility for the equipments manufactured. The team of dedicated design/ application engineers and marketing personnel is always available to meet any of the customers' requirements.

This is also supported by proper planning, materials and production process. As a result of the company's philosophy of personal participation and commitment to total customer satisfaction, through innovation, quality and sound business plans, the company is today in a position of being a preferred supplier to a wide spectrum of customer base.

The company has the capability to develop custom-built Power Supply Equipments as per the needs of the Defence establishments. Sufficient infrastructure is available to develop specific equipments under offset policy of the Government of India as well as to develop such equipments for export as per the specific design under contract manufacturing.

### MAJOR DEFENCE CLIENTS :

- INDIAN AIRFORCE
- INDIAN ARMY
- INDIAN NAVY
- AVIATION RESEARCH CENTRE
- HINDUSTAN AERONAUTICS LTD., NASIK
- HINDUSTAN AERONAUTICS LTD., BANGLORE
- INDIAN ORDINANCE FACTORY
- BORDER SECURITY FORCE



Statcon Power Controls Ltd.

**Statcon**



# Statcon

Meeting power supply needs of Defence Equipments.



# PRODUCT RANGE FOR DEFENCE APPLICATIONS

## GROUND POWER UNIT :

Statcon has developed GPU for ground starting of wide range of Aircrafts like SU-30MKI, JAGUAR, MIRAJ, IL76/78 as well as all types of helicopters. It gives both AC & DC outputs. Power range is available upto 180KVA as per the user's need.

GPU for starting MIG-BIS-UPG are also available capable of giving 24V/48V DC as well as 40KVA, 400Hz. AC.



40KVA GPU FOR IAF

60KVA GPU FOR IAF



GPU FOR AN-32

## GROUND POWER UNIT FOR AN-32 AIRCRAFT :

Self driven GPU is specially designed to supply following outputs :

28.5V DC - 10kW continuous with 1200A peak

0-70V DC - Variable DC upto 1600A for ADI-20 start

115V,400Hz AC - 12kW AC for Aircraft servicing.

It is developed and tested with the aircraft and it is a substitutes for Russian APA unit.

## HIGH POWER DC REGULATED SUPPLY :

Well Regulated DC supplies find usage in aircraft testing, Tank manufacturing as well as for wide range of ground trial equipments.

The DC power supply is available in 12V/28V/48V/110V/220V and currents upto 2000Amps. They are available in both fixed panel type as well as trolley mounted version.

**Helo Starting Rectifier for Navel requirements is also available.**



30V/1000A DUAL CHANNEL REGULATED DC SUPPLY FOR SU-MKI AIRCRAFT

28V/200A DC RECTIFIER

## CHARGE / DISCHARGE SYSTEM FOR AIRCRAFT BATTERY :

Digital Charging Boards for the Aircraft Battery are available for complete range of Alkaline & Lead Acid Batteries.

Digital charging modules can be used to charge any number of cells from 1 - 15. The charging current can be varied from 0.5 amps. to 15 Amps. with precision. All chargers are protected against various abnormal conditions.

The Battery Capacity Tester has an in-built constant current discharging and monitoring facilities. It can also be used to measure the Ah delivering capability of a Battery Bank or even single cell.

Cell monitoring facilities are also available to continuously monitor all cells and give alarm along with cell number identifications.

## FREQUENCY CONVERTER :

Meeting the requirements of stable AC supply of desired frequency upto 400Hz, STATCON FREQUENCY CONVERTERS are suitable for Airforce, Army and Navy. It can also be used to supply stable AC supply and can be used in applications where sudden load demands become very high.

The rugged and highly reliable Frequency Converters are available upto 140kVA power range.

Frequency Converter of other frequencies and ratings can also be designed & supplied.



30KVA, 400Hz. FREQUENCY CONVERTER FOR HAL, NASIK



BATTERY CHARGE / DISCHARGE RACK

BATTERY CHARGING BOARD

BATTERY TESTER

## PORTABLE GPU FOR HELICOPTER / SMALL AIRCRAFT :

STATCON's mini-GPU is designed to deliver small continuous power requirements of the helicopter / small aircrafts as well as its starting duty needs.

The power outputs available are :-

AC : 3kVA, 200V, 400Hz, 3phase

DC : 28.5V @ 70A Continuous

or

1200A for starting

It weights approx 225kg and is provided with all the AC & DC protections needed.



PORTABLE GPU



LOAD BANK

## AC / DC LOAD BANK :

Designed to test alternator outputs of 50Hz / 60Hz / 400Hz. AC outputs ranging from 20kVA to 400kVA. The test panel can be used for both Resistive & Inductive loads.

Similarly high current DC load banks are also available to test battery Bank, DC loads or for any other test purpose.

The load banks are available in fixed panel types as well as tractor towable modules.