

HIGH CURRENT DC REGULATED SUPPLY



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

Statcon's High Power DC Supplies are backed-up by company's vast experience in the field of Power Electronics including the experience of designing upto 1200kw Static DC Converters. The DC Rectifiers are designed for both regulated & un-regulated types and can be used for Ground maintenance of aircrafts and other related equipments. It can also be used for testing and starting of Armed vehicles or for other applications.

The DC regulated supplies manufactured by Statcon are designed to give highly stable, well regulated, low ripple output capable of meeting

continuous as well as short time cranking duty DC load demands. In addition, the monitoring and alarm circuit ensures that the unit trips in case of any abnormal condition which is necessary as per Govt. or MIL Standards for Defence equipments. The techniques used for AC-DC are fully solid state including SCR controls as well as IGBT/MOSFET based SMPS technologies. The availability of wide range from 50A to 2000 Amps. (higher capacities on request) is capable of meeting requirements of various users across the wide spectrum of Defence requirements.

The DC regulated supplies are available in both free- standing models as well as trolley mounted options.

TECHNICAL SPECIFICATIONS

Input Voltage	:	415V \pm 10%, 50Hz / 60Hz, 3 Phase AC
Output Current	:	50A to 2000A (other ratings on request available)
Output Voltages	:	12V / 24V / 30V / 48V / 110V / 220V (other voltages on request)
Operating Temperature	:	-20°C to +55°C
Voltage Regulation	:	\pm 1% for 10% to 100% load change
Output Ripple	:	upto 1% peak to peak or even lower as per the requirement
Overload	:	120% for 60 Secs. 150% for 30 Secs. 300% for 5Secs.
Transient Response	:	As per MIL standard 704E
Type of output connector	:	Bus bar type terminals or through 3 pin NATO with suitable cable
Type of enclosure	:	Free standing or Trolley mounted

Note : Parameters given above are standard and can be changed without any prior intimation.

OTHER PRODUCTS:

- Ground Power Unit for Aircraft starting / Servicing.
- Portable GPU for Helicopters / Light Aircrafts.
- Helicopter Starting Rectifier.
- Frequency Converter upto 140kVA.
- Battery Discharger-Capacity Tester.
- Cell monitoring System for Aircraft Battery.
- Custom built High Power Rectifiers / Controls.
- Load Bank for Alternator / DG set testing.
- AC-DC & DC-DC Converters.
- Battery Chargers from 24V/48V/110V/220V upto 1500A.
- Micro Controller based Battery Chargers.
- Integrated Power Supply for Railway Signalling.
- SMPS based chargers for Telecom (48V) & Power Sector (110V / 220V).
- Embedded System based product development.

Statcon Power Controls Ltd.