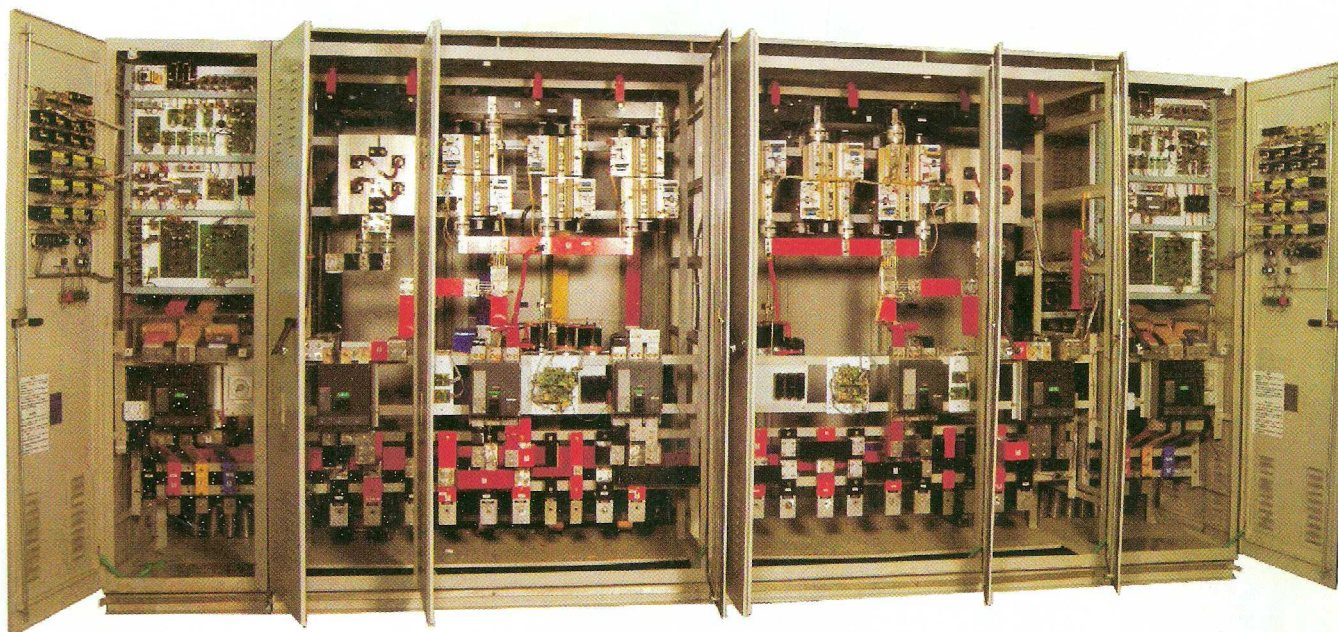


## THYRISTOR CONTROLLER RECTIFIER BATTERY CHARGER



With close to 6500 such chargers already working throughout the length & breadth of India, STATCON offer highly reliable and rugged Battery Charger solutions for all such DC Power Supply applications. Be it Power Generation, T&D, Defence, Telecom, Oil & Gas, Railways or other industrial applications, STATCON has shown its presence felt.

Battery Chargers are available in both natural cooled as well as forced cooled designs. With In-house transformer manufacturing, fitting and wiring facilities, it is possible to maintain strict quality control over the whole process.

The team of designers with documentation personnels helps in supplying custom-built solutions to all Rectifier/Battery charging needs of those who want customised solutions..

Built over glass epoxy board, the control ckt uses advanced Digital and analog circuit blocks and suitable customization is done for all special application of the user. The special design feature of STATCON's charger are high transient response under specified load & line variations.

STATCON offers various charger configurations like Float-cum-Boost Charger with dropper diodes, Dual Redundant Systems, Float & Float Cum Boost Charger, Dual Float-Cum-Float Boost Charger System and Multiple charger system with redundant (standby) charger etc.

However, needs of proper battery charging are always kept in mind so as to get best state of charge and life of the battery bank used.

## The broad technical parameters of the charger are:-

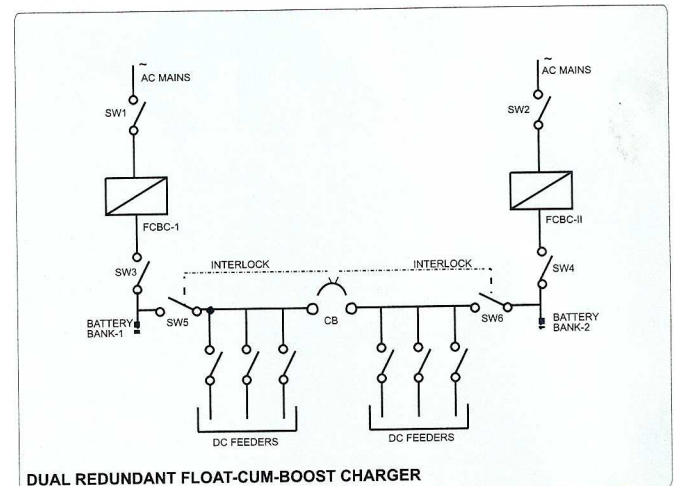
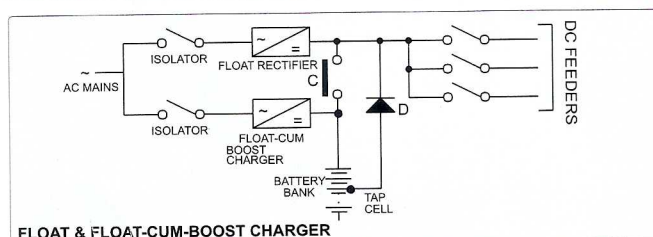
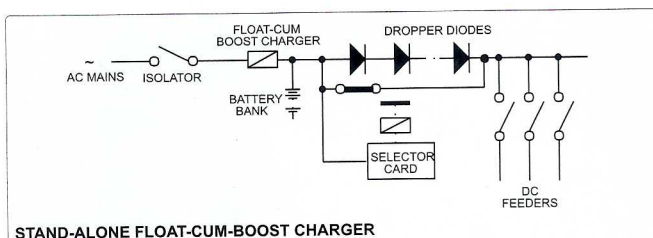
Input voltage	:	230V $\pm$ 15%, 415 $\pm$ 15%, 50 Hz
Ambient	:	upto 55°C
Attitude	:	upto 1000 meter above MSL
Output Voltage	:	24V/36V/48V/96V/110V/220V Nominal (Others Voltages also possible on request)
Output Current	:	15A - 1500A (Higher ratings also available)
Output Regulation	:	< 1%
Efficiency	:	upto 92% depending upon rating
Ripple	:	upto 400mv pp or as per requirement

## Features / Protections

- Auto / Manual
- Float/Boost/Extended
- Overload / Short Circuit
- DC over voltage / under voltage
- AC over voltage / under voltage
- Automatic dropper diode selection (Optional)
- Charger fail
- Mains fail / phase fail
- Automatic CC/CV Charging
- Temperature compensation

Features and protections are offered as per user's specification

STATCON also offers total solution including supply installation & commissioning of Battery, Battery Charger / Discharger, Battery Monitoring, DCDB Feeders, DC Earth Fault monitoring.



## OTHER PRODUCTS :

- Solar based Power Supply System.
- 220V SMPS based charger.
- 24V/48V/110V SMPS based charger.
- Automatic Battery Discharger - Capacity Tester.
- Battery Cell Monitoring System.
- Intelligent DC Earth Fault Detector.
- AC / DC & DC - DC Converters
- AC / DC Distribution Boards.
- Industrial Inverters upto 100kW.
- Microcontroller based Battery Charger.
- Integrated Power Supply for Railway Signalling.
- Ground Power Unit for Aircraft starting / Servicing.
- Helicopter Starting Rectifier.
- Static / Frequency Converter

## Statcon Power controls Ltd.

A-34, Sector-59, Noida, G.B.Nagar - 201301  
 Ph.: +91-0120-4640200 - 210 (11 Lines) Fax: +91-0120-4640240  
 Web Site : www.stat-con.com, E-mail: info@stat-con.com