

## DC-DC CONVERTER

SVTEL is one of the leading manufacturer of Telecom Power Conversion Devices, including standard and customised AC/DC power supplies as well as DC/DC converters.

SVTEL manages customer needs and monitors the latest trends regarding power for a multitude of applications in the areas of Telecom, Industrial Machines, Appliances, Medical Equipment, Broadcast Systems, Military Devices, Laboratory Appliances, Test and Laboratory Equipment, Automotive Industry, Aviation Systems, Maritime Equipment.....and many more.

The Telecom Systems are normally designed to work from exchange Battery. Several modern equipment, however are designed to work off 24V DC supply. High Efficiency DC/DC Conversion from 48 Volts to 24V DC is therefore necessary.

The SVTEL ST-DC Series are High Efficiency, High Power DC/DC Converters are in wide demand to convert 48V station battery Voltage to 24V DC. Basic module is rated at 50Amps and has a built-in automatic current sharing feature to connect several units in parallel for higher current capacity upto 250 Amps. Different models need to be selected from the available range.

The system has modular design to meet DC load requirements from 50 Amps to 300 Amps in multiples of 50 Amps. Analog meters are optionally provided for Display Output voltage and load current of each module. Status LED are provided for Output Over Voltage & Over Temperature.

### Product Features :

- Latest Switch Mode Controlled Technology ensures high MTBF
- Light weight and Modular
- (N+1) Configuration provides enhanced reliability
- Wide input range (20VDC - 30VDC) or 40-50 VDC
- Protection against reverse connection of battery protects the unit against accidental error
- Output voltage adjustable
- EMI/EMC to International standard
- Modular system Hot swappable
- High operating temperatures range (-10 to +55°C)
- Errors free changeover during failure
- Over Voltage disconnect at high input
- Digital Meter for Voltage and Current