

# MOTION CONTROL SYSTEM

## VARIABLE FREQUENCY DRIVES

- Ratings up to 1.5 MW
- Suitable for 690V, 415V Induction motors
- State of the art DSP based control
- Sensor/Sensor less Vector control
- Custom built options



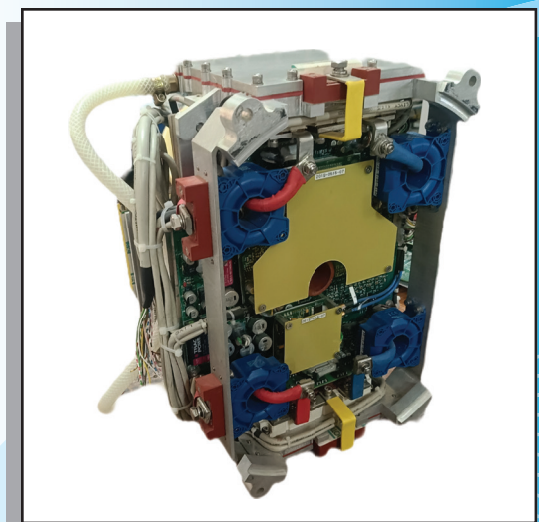
## ACTIVE FRONT END CONVERTER

- IGBT based AC-DC converter
- Advanced DSP based control
- AC side Power Factor closed to unity
- Current THD less than 5 %
- Suitable for Four quadrant drives



## PMSM/BLDC DRIVES

- Up to 500 kW
- Configurable for different input/output voltage rating
- Suitable for battery based systems
- Developed for Surface mount & Interior PM Machines
- High performance MIL qualified products are available
- Compact liquid cooled drive systems



# MOTION CONTROL SYSTEM

## HIGH FREQUENCY INVERTERS

- Suitable for applications like welding, stat-com, Harmonic filter etc
- Air/ Liquid cooled solutions
- Output 1 phase & 3 phase options
- Ratings up to 500 kVA
- IGBT /SIC based power converters



## CUSTOM POWER CONVERTERS

- Multi phase/ Multi level topologies
- Solutions with DC-DC, DC-AC, AC-DC converters
- Different voltages & power levels



## FOR EDUCATIONAL & RESEARCH LABORATORIES

- AC Micro grid
- DC Micro grid
- Advanced motor control solutions like SynRM, SRM, DFIM etc
- Simulators like Solar, Wind, GRID etc

