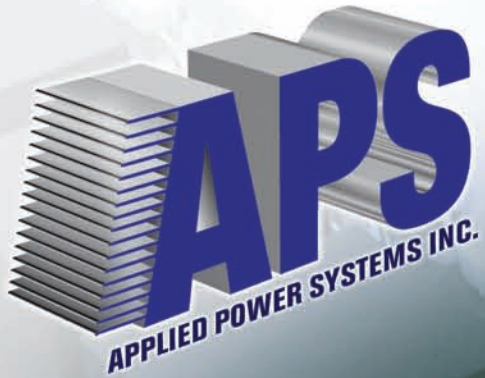


INVERTERS

DRIVER BOARDS

ASSEMBLIES

CONVERTERS



# The Driving Force In Power Electronics



## Product Selection Guide

- Driver Boards for IGBT, SCR, and MOSFET
- High Power Inverter and Converter Power Blocks
- Air and Liquid Cooled High Power Semiconductor Assemblies
- High Voltage Driver Boards for IGBTs and SCRs
- MOSFET Linear Power Amplifiers
- Solid State AC and DC Contactors
- High Voltage, Pulsed Power Switches
- High Power Input and Output Power Blocks



# INVERTERS

## Air Cooled/Liquid Cooled High Power Inverters

### Applications Include

- Inverters
- UPS
- Motor Drives
- Battery Chargers
- Power Factor Correction
- Power Supplies
- Motor Starters
- Alternative Energy
- Traction Inverters
- Electric Vehicles
- Rail

### Circuit Configurations

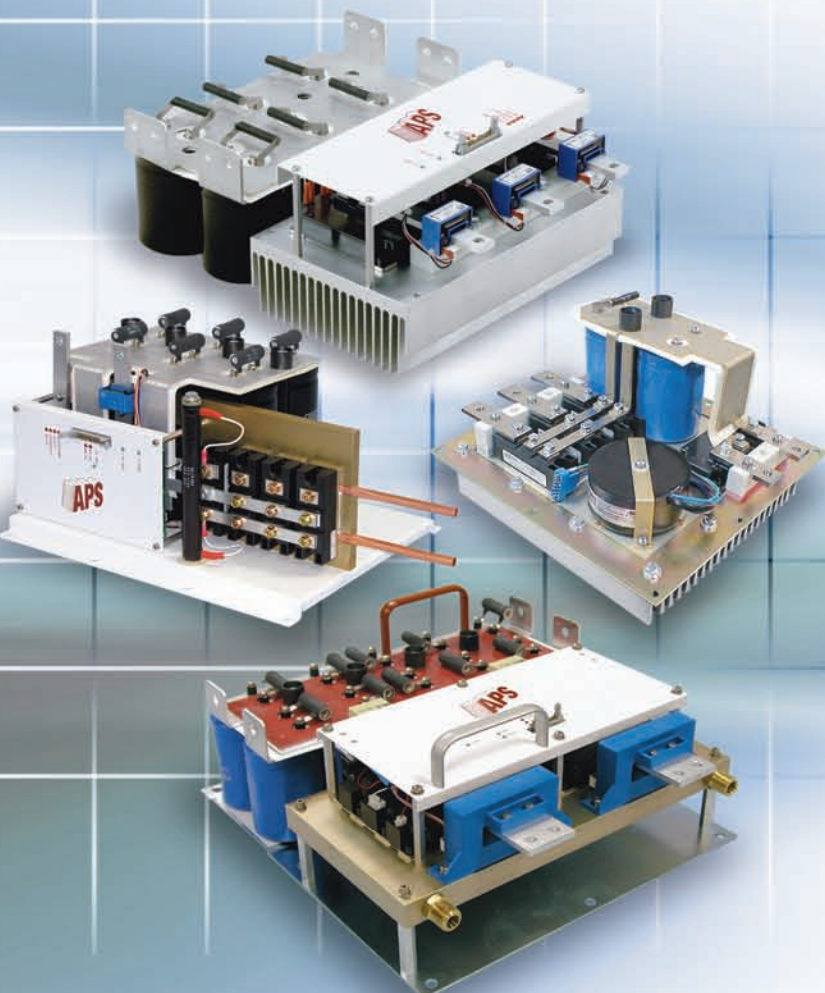
- Full Bridge
- Half Bridge
- 3-Phase Bridge
- Chopper
- Soft Start

### Available Options

- Air or Liquid Cooled
- Voltage Feedback
- Current Feedback
- Thermal Feedback
- Snubbers
- Laminated Bus
- DC Filter Capacitors
- Fuses
- Blowers/Fans

VOLTAGE: 100V to 3,300V | CURRENT: 50A TO 3,000A

Custom Versions Available



# DRIVER BOARDS

## Drivers for IGBTs, SCRs, and MOSFETs

### Applications Include

- Inverters
- UPS
- Motor Drives
- Battery Chargers
- Motor Brakes
- Power Supplies
- HV Pulse Switches
- Transportation
- Induction Heating
- Welding
- Rail

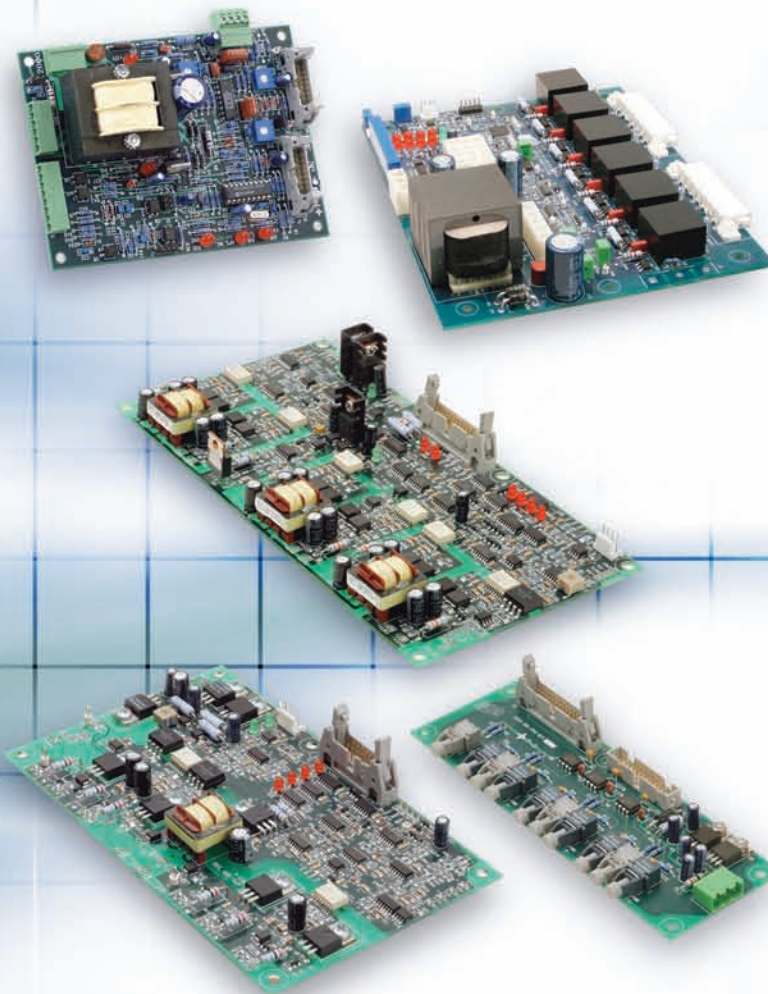
### Circuit Configurations

- Full Bridge
- Half Bridge
- 3-Phase Bridge
- Single
- Doubler
- Twelve Pulse
- AC Switch
- High Voltage Driver

### Available Options

- Voltage Feedback
- Current Feedback
- Thermal Feedback
- Device Fault Protection
- Circuit Protection
- FiberOptic Interface

Custom Versions Available



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The Driving Force



# ASSEMBLIES

## Power Semiconductor Assemblies, Heatsink Kits and Clamps

### Applications Include

- Power Supplies
- AC Phase Controllers
- Motor Starters
- UPS
- AC/DC Converters
- Soft Start
- Motor Drives
- Static Converter
- Induction Heating
- Welding
- Pulsed Power
- Traction

### Circuit Configurations

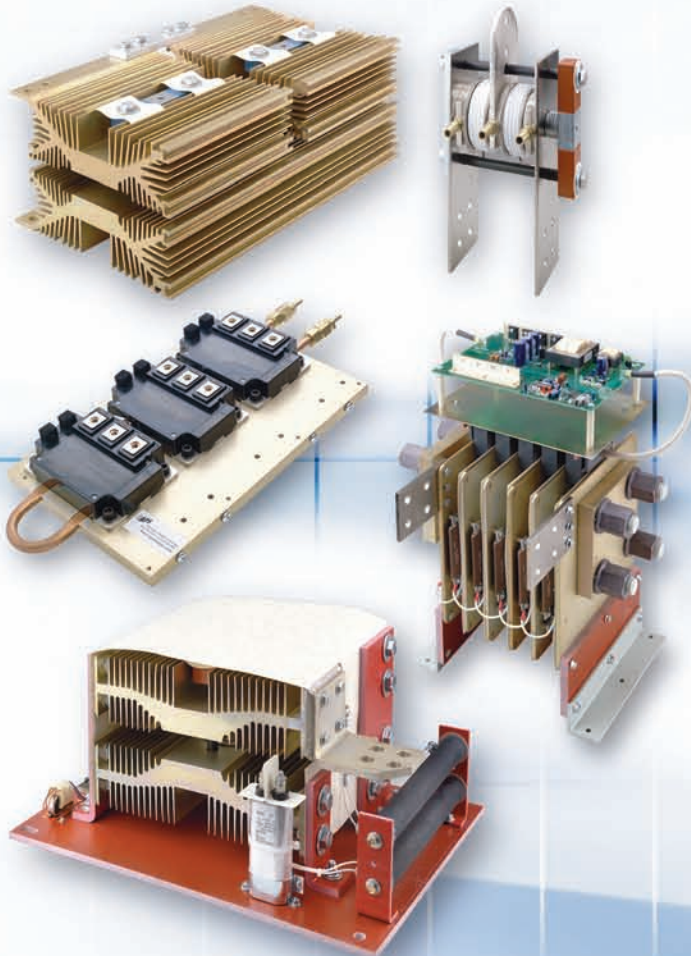
- Single
- Doubler
- Three Phase
- Full Bridge
- Series Stacks
- Parallel Configuration
- AC Switch
- Static Switches
- Common Anode/ Common Cathode

### Available Options

- Air or Liquid Cooled
- Bus Bars
- Gate Firing Circuits
- Fuses
- Snubbers
- Blowers/Fans
- Thermal Switches
- Insulated Mounting
- FiberOptic Interface

VOLTAGE: 100V to 20,000V | CURRENT: 30A TO 3,000A

Custom Versions Available



# CONVERTERS

## AC to DC Converters/AC to AC Controllers, Air Cooled/Liquid Cooled

### Applications Include

- AC/DC Converters
- AC Phase Controllers
- Power Supplies
- UPS
- Static Converter
- Soft Start
- Induction Heating
- Welding

### Circuit Configurations

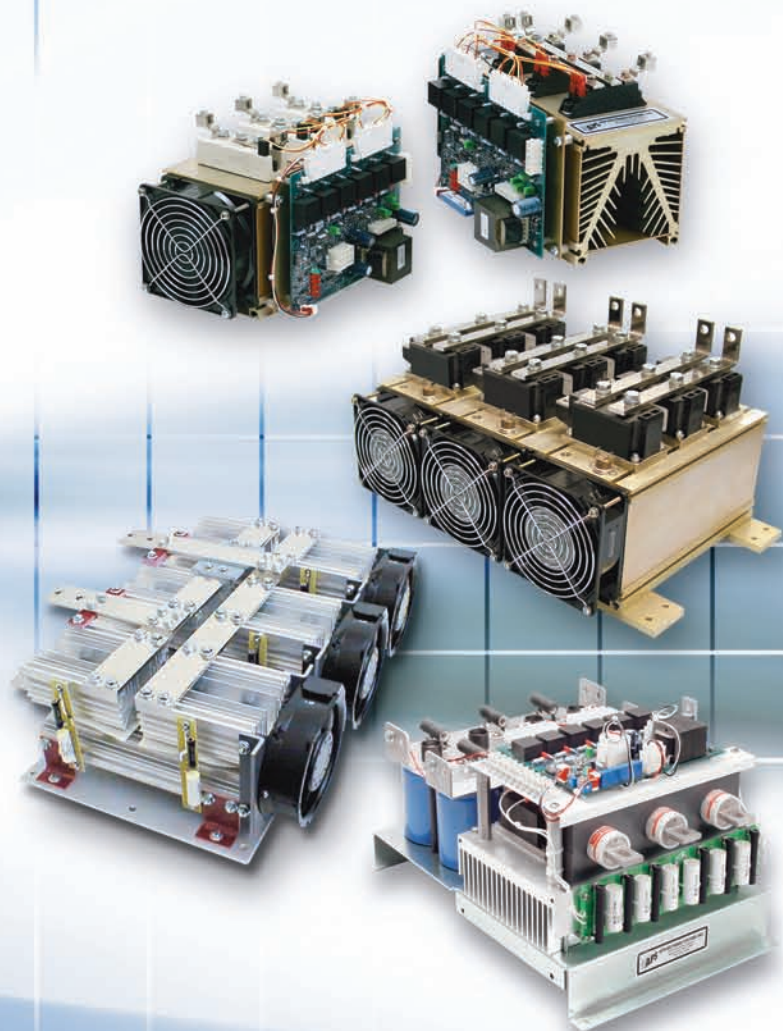
- Single Phase
- Three Phase
- Poly Phase
- AC Switch
- Parallel Configuration
- Static Switches

### Available Options

- Air or Liquid Cooled
- Voltage Feedback
- Current Feedback
- Thermal Feedback
- Snubbers
- Laminated Bus
- DC Filter Capacitors
- Output Bus Bars
- Blowers/Fans

VOLTAGE: 50V to 5,000V | CURRENT: 30A TO 30,000A

Custom Versions Available





## Industries Served

APS power products are used to improve efficiency, reliability, and quality of the electric power in:

- ▶ Heavy Industries – Steel and Mining
- ▶ Power Transmission and Distribution
- ▶ Distributed Generation
- ▶ Solar Power
- ▶ Wind Power
- ▶ Telecomm
- ▶ Marine and Rail Propulsion
- ▶ Aerospace
- ▶ Medical
- ▶ Alternative Energy



## Applied Power Systems, Inc.

APS specializes in advanced power conversion products and are leaders in the design and manufacture of power electronics control, high power semiconductor packaging, and thermal management.

Products include High Power Inverters, AC-DC Converters, AC Phase Controllers, and Gate Drive Circuits for IGBT, SCR, and MOSFET devices, as well as FiberOptic Interfaces, Snubber Boards, and high voltage gate Driver Boards for IGBTs and SCRs. APS also manufactures a complete line of power semiconductor assemblies and high power rectifier bridges along with heatsink kits and clamps.

APS is a high-tech company concentrated exclusively on power electronics, providing innovative, leading-edge, quality-engineered products. Our technical expertise and practical experience allow us to develop and produce power electronic products that satisfy the toughest requirements and withstand the harshest environments.

**APS: The Driving Force in Power Electronics.**



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