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.

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

**Applied Power Systems, Inc.**
134 Charlotte Ave., Hicksville, NY 11801, U.S.A.
T: 516.935.2230  F: 516.935.2603
www.appliedps.com

**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

**APS**
APPLIED POWER SYSTEMS INC.
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
- Triac
- DC 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

Drivers for IGBTs, SCRs, and MOSFETs

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

Circuit Configurations
- Full Bridge
- Half Bridge
- 3-Phase Bridge
- Single
- Full Bridge
- Triac Pulse
- AC Switch
- High Voltage Driver

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

Voltage: 100V to 3,300V
Current: 50A to 3,000A

Custom Versions Available

Power Semiconductor Assemblies, Heatsink Kits and Clamps

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

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

Available Options
- Air or Liquid Cooled
- Voltage Feedback
- Current Feedback
- Thermal Feedback
- Snubbers
- Fuses
- Blowers/Fans
- Insulated Mounting
- FiberOptic Interface

Voltage: 50V to 5,000V
Current: 30A to 30,000A

Custom Versions Available

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

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

Circuit Configurations
- Single Phase
- Three Phase
- Poly Phase
- Full Bridge
- Series Stacks
- Parallel Configuration
- AC Switch
- Static Switches
- Insulated Mounting
- FiberOptic Interface

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 20,000V
Current: 30A to 3,000A

Custom Versions Available

www.appliedps.com - (516) 935 2230

The Driving Force In Power Electronics
**Inverters**

**Applications**
- 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
- Laminated Bus
- DC Filter Capacitors
- Fans
- Blowers/Fans

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

**Voltages**: 100V to 3,300V
**Currents**: 50A to 3,000A

**Drivers for IGBTs, SCRs, and MOSFETs**

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

**Circuit Configurations**
- Full Bridge
- Half Bridge
- 3-Phase Bridge
- Single
- Chopper
- Televi Pulse
- AC Switch
- High Voltage Driver

**Available Options**
- Voltage Feedback
- Current Feedback
- Thermal Feedback
- Device Fault Protection
- Circuit Protection
- FiberOptic Interface

**Voltages**: 100V to 3,300V
**Currents**: 50A to 3,000A

**Assemblies**

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

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

**Available Options**
- Voltage Feedback
- Current Feedback
- Thermal Feedback
- Device Fault Protection
- Circuit Protection
- FiberOptic Interface

**Voltages**: 100V to 3,300V
**Currents**: 50A to 3,000A

**Converters**

**Applications**
- AC to DC Converters/AC to AC Controllers
- Air Cooled/Liquid Cooled

**Circuit Configurations**
- Single Phase
- Three Phase
- Poly Phase
- AC Switch
- Static Switches
- Parallel Configuration

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

**Voltages**: 100V to 20,000V
**Currents**: 30A to 30,000A

**Custom Versions Available**

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The Driving Force
In Power Electronics

Product Selection Guide

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