Applied Power Systems, Inc.

is an industry leading manufacturer of advanced power conversion products, power electronic controls and high power semiconductor thermal management solutions. Focused exclusively on power electronics, APS provides innovative, leading-edge, quality-engineered products to satisfy the most demanding requirements and withstand the harshest environments.

APS’s comprehensive standard high power products include IGBT Inverter Stacks, AC/DC, DC/DC, DC/AC Converters, Motor Drives & Controls, Battery Chargers, AC Phase Controllers, Ultra-Precise Power Supplies, High Power IGBT/IGBT Brakes, Fiberoptic Interfaces, Snubber Boards and Gate Driver Boards for IGBTs, SCRs, & MOSFETs, along with a full complement of high power semiconductor assemblies, heatsink kits and clamps.

In addition to standard products, APS possesses the unique cross-functional skills, deep industry experience, and practical expertise to develop next-generation custom power designs in applications such as Grid Tie & Bi-Directional Inverters, Battery & Energy Storage Systems and Microgrids.

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In addition to products, APS offers a full range of technical and engineering services to ensure the highest level of performance and reliability. Whether you need assistance with a design, need help with a problem, or want to ensure that your system is performing at its best, APS is here to help.

In summary, APS is a leading manufacturer of advanced power conversion products, power electronic controls, and high power semiconductor thermal management solutions. With a focus on providing innovative, leading-edge products that meet the most demanding requirements and withstand the harshest environments, APS is the driving force in power electronics.

Industries Served:

- Oil & Gas
- Motors & Drives
- Distributed Generation
- Alternative Energy - Solar, Wind & Wave
- Transportation - Rail, Aerospace & Marine
- Heavy Industries - Steel, Mining, Welding & Plating
- Power Transmission & Distribution
- Energy Storage - Battery Charging
- Industrial Power Systems
- Medical

The Driving Force In Power Electronics

Product Selection Guide

- High Power IGBT Inverter Stacks
- Driver Boards for IGBT, SCR, and MOSFET
- Air and Liquid Cooled High Power Semiconductor Assemblies
- High Voltage Driver Boards for IGBT and SCR
- MOSFET Linear Power Amplifiers
- Smart Battery Chargers
- High Voltage, Pulsed Power Systems
- High Power Ultra-Precision Power Supplies
Air Cooled/Liquid Cooled High Power Inverters

Applications Include:
- Inverters
- UPS
- Motor Drives
- Battery Chargers
- Power Factor Correction
- Power Supplies
- Motor Starters
- Alternative Energy Storage
- Electric Vehicles
- Rail

Available Options:
- Full Bridge
- Half Bridge
- 3-Phase Bridge
- Chopper
- Soft Start
- 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 4,200A

Custom Versions Available

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
- Full Bridge
- Half Bridge
- 3-Phase Bridge
- Single
- Doubler
- Twelve Pulse
- Eighteen Pulse
- Twenty-Four Pulse
- AC Switch
- High Voltage Driver
- Voltage Feedback
- Current Feedback
- Thermal Feedback
- Snubbers
- Laminated Bus
- DC Filter Capacitors
- Fuses
- Blowers/Fans

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

Custom Versions Available

Power Semiconductor Assemblies, Heatsink Kits and Clamps

Applications Include:
- Power Supplies
- AC Phase Controllers
- Motor Starters
- UPS
- AC/DC Converters
- Soft Start
- Motor Drivers
- Static Converter
- Induction Heating
- Welding
- Pulsed Power
- Traction
- Single
- Doubler
- Three Phase
- Full Bridge
- Series Stacks
- Parallel Configuration
- AC Switch
- Static Switches
- Common Anode
- Common Cathode
- Air or Liquid Cooled
- Bus Bars
- Gate Firing Circuits
- Fuses
- Snubbers
- Blowers/Fans
- Thermal Switches
- Insulated Mounting
- Fiber Optic Interface

VOLTAGE: 100V to 20,000V
CURRENT: 30A TO 80,000A

Custom Versions Available

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