

AMETEK PPS Microsite Content

[Homepage](#)

Solving the World's Most Demanding Custom Power Problems

Power conversion isn't easy. Some power problems present unique engineering challenges that require time to design and build a reliable test solution. You might not always have the staff or resources available to tackle these new challenges. And you definitely can't afford costly scheduling delays.

Why spend time and money learning how to solve a problem that's likely been solved by experts before? AMETEK Programmable Power Solutions (PPS) helps you solve your most demanding power conversion challenges with proven, cost-effective AC and DC power supply solutions.

If you can't find it in the catalog, we can create it. Using our specialized tools, expertise and experience, we provide power systems to meet special demands in measurement and control, process control and reliability/burn-in.

Our Promise: With AMETEK PPS, you know that the power conversion problem is solved the right way, on time and with safety in mind.

[About Us](#)

Power Management Technology and Expertise You Can Trust

Before you can hand over your power conversion project, you need to feel confident about your chosen power partner. You need a dedicated company with a deep understanding of your complex power requirements. But you also want to work with a company with a legacy of providing solutions that are superior in quality, performance and efficiency.

As a unit of AMETEK Programmable Power, the industry's trusted power partner, AMETEK Programmable Power Solutions (PPS) brings the combined expertise of decades of power management technology—built on the brands you rely on: AMREL, California Instruments, Elgar and Sorensen.

Our core competencies include:



AMETEK PROPRIETARY

An Extension of Your Product Team

When you partner with AMETEK PPS, we become a custom power supply extension of your product team. As we study and learn about your application, we apply our decades of experience to solve your power conversion problem. We keep ahead of your schedule and budget by managing every detail—assigning a dedicated AMETEK project manager to handle your project.

Our agile team includes experts in design/test, power, program management, quality assurance, software engineering, sales, operations and material planning.

Integrated Power Solutions Get You Closer to Your End-Use Application—in Less Time

Instead of just providing a turnkey product, we deliver a partially or fully integrated product to get you much closer to your end-use application—saving you significant time and labor. We also take the time to:

- Commission the new system with you
- Train you how to use it
- Deliver a full documentation package

We design and manufacture power solutions—usually within 12 weeks or less! System integration can usually be completed within just two weeks of receiving the power supplies.

[Industries](#)

Hundreds of Proven Power Solutions for a Variety of Industries

To develop reliable solutions to complex power problems, you need to know what works and what doesn't. So how do you find out what works? By partnering with companies from a variety of industries—studying their biggest challenges, understanding their toughest requirements and finding the most reliable, cost-effective solutions. For decades, AMETEK Programmable Power Solutions (PPS) has done just that, gaining valuable experience along the way.

When you partner with AMETEK PPS, you don't just get access to their agile team of design/test engineers or programmable power products. You tap into diverse power management expertise that can only come from successfully delivering power solutions for hundreds of system integrations across a wide variety of industries. These industries include:

- Avionics
- Cloud computing
- Commercial and defense ATE
- Oil and gas exploration

- R&D
 - Semiconductor fabrication
 - Solar array and battery string simulation
 - Water purification
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[Applications](#)

AMETEK Knows the Right Questions to Ask for Your Power Application

The key to solving most problems involves asking the right questions. Power conversion is no different. To solve a complex power problem, asking the right questions will lead to a more reliable, cost-effective solution that addresses the application's unique requirements.

AMETEK Programmable Power Solutions (PPS) knows all the right questions to ask. Why? Because the company has been designing and manufacturing custom power solutions for hundreds of system integrations for a wide range of applications. When you work with AMETEK PPS, you gain access to a wealth of application-specific expertise that is used to help solve your specific power conversion problem.

Consider some examples of AMETEK PPS applications and the benefits provided to customers:

- **Power subsystems**
 - **Simulation Products**
 - **Modular Power System**
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[Why AMETEK](#)

Three Reasons Why You Need AMETEK Programmable Power Solutions (PPS) as a Powerful Partner for Your Engineering Team

1. Lower Your Risk

- Bring decades of industry expertise, tools and experience to your project in an instant
- Solve power problems both anticipated and unknown
- Preserve engineering schedules and timetables by avoiding potential delays
- Simplify integration of various power systems
- Modify off-the-shelf components rather than create unnecessary custom solutions

2. Protect Your Safety

- Protect the user and the power system from dangerously high voltages and currents
- Build in advanced safety features that protect user, even if a mistake is made

3. Preserve Your Resources

- Deploy your limited design and engineering resources to your core competency—rather than learning about power conversion/test tasks
- Design and deliver fully documented solutions