

INTEPRO
SYSTEMS



**Intepro Systems
PowerStar Software**

www.Inteprosystems.com

Introduction

Welcome to PowerStar, the premier Program without Coding™ test environment from Intepro Systems. PowerStar is designed to be the complete test development platform for systems, benches and labs. Hardware independence and fill-in-the-blank programming makes this the ideal platform for engineers who need the ability to customize their programs, without having to write code or assemble graphical components.

Key Features

PowerStar offers a range of features designed to enhance your testing processes:

- **Advanced Test Library:** PowerStar provides hundreds of fill-in-the-blank test routines that provide a range of control from single instrument functional control to full test procedures with easy-to-use parameter entries. This flexibility of control provides code writing without having to actually write code.
- **Analog Analysis Tools:** Perform detailed and precise power analysis with a suite of advanced tools.
- **Real-Time Data Monitoring:** Monitor data in real-time for immediate insights and adjustments.
- **User-Friendly Interface:** Enjoy a streamlined and intuitive interface that simplifies complex testing procedures.
- Auto-ranging DC sources
- Open-architecture hardware supporting LXI, IEEE, VXI, PXI and AXI
- High speed data acquisition
- Powerful open frame test executive software
- **Customizable Reports:** Generate reports tailored to your specific requirements and preferences.
- **Integration with Multiple Hardware Platforms:** Seamlessly integrate PowerStar with a wide variety of hardware systems.
- **Automated Testing Procedures:** Automate repetitive testing tasks to save time, reduce errors and provide a repeatable process.
- **Multiple Database Support:** Benefit from robust database support for extensive data management and analysis. Includes SQL , XML, CSV, Access.
- **Visual Basic Integration:** Leverage the power of Visual Basic for creating custom tests and virtual applications.
- **Family Testing:** Utilize common test programs across multiple units under test (UUTs), saving development time and resources.
- **Hardware Independence:** Achieve greater flexibility and cost efficiency with hardware-independent software that can operate across various hardware configurations and platforms.
- **Access Control:** User access manager to allow a range of access rights to users.

PowerStar Enhancements

The latest version of PowerStar introduces several enhancements to make testing even easier.

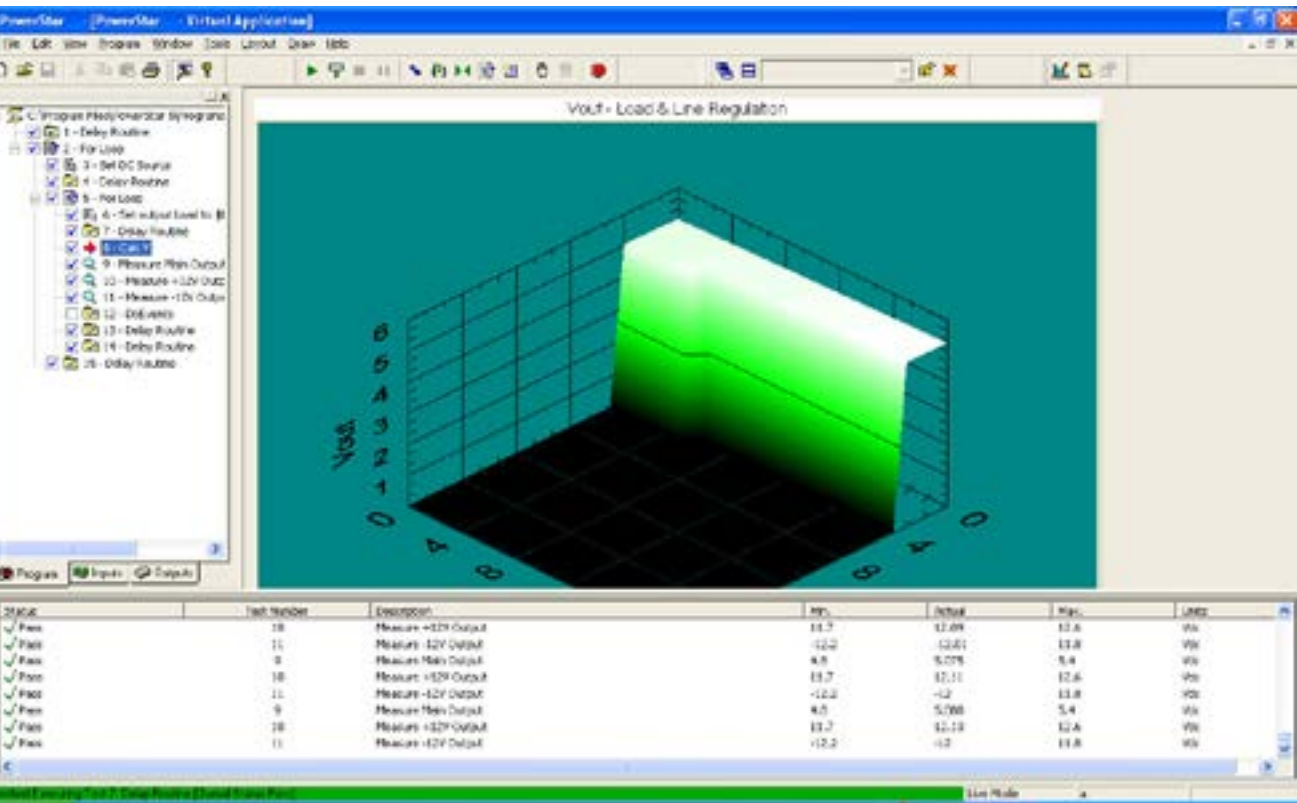
- “Program without Coding”: An expanded test library allows users to create tests without writing code, using fill-in-the-blank test screens.
- Expanded Instrument Library: Includes new AC loads, DC loads, high-power AC sources, and various instrument communication busses such as I2C, SPI, RS232, TTL Serial, 1553, Mod Bus, and CAN.
- Enhanced Data Logging: Supports XML/HTML compatible files and export to Microsoft Excel CSV files, in addition to Microsoft Access or SQL data types.
- Advanced Reporting: Offers report templates in XSL for test reports, failure reports, pass slips, and fail slips. Ability to customize templates and for your data analysis.
- Integrated Configuration Manager: Switch between system configurations without restarting PowerStar, allowing for compatibility checks across multiple systems.
- Customizable Views: The user interface view can be customized to suit a user’s preferred requirement with the ability to move windows and tabs to different locations on the screen or to a different screen.



3rd Party Software Integration

PowerStar seamlessly integrates 3rd party DLLs and VIs enabling users to enhance their testing capabilities further:

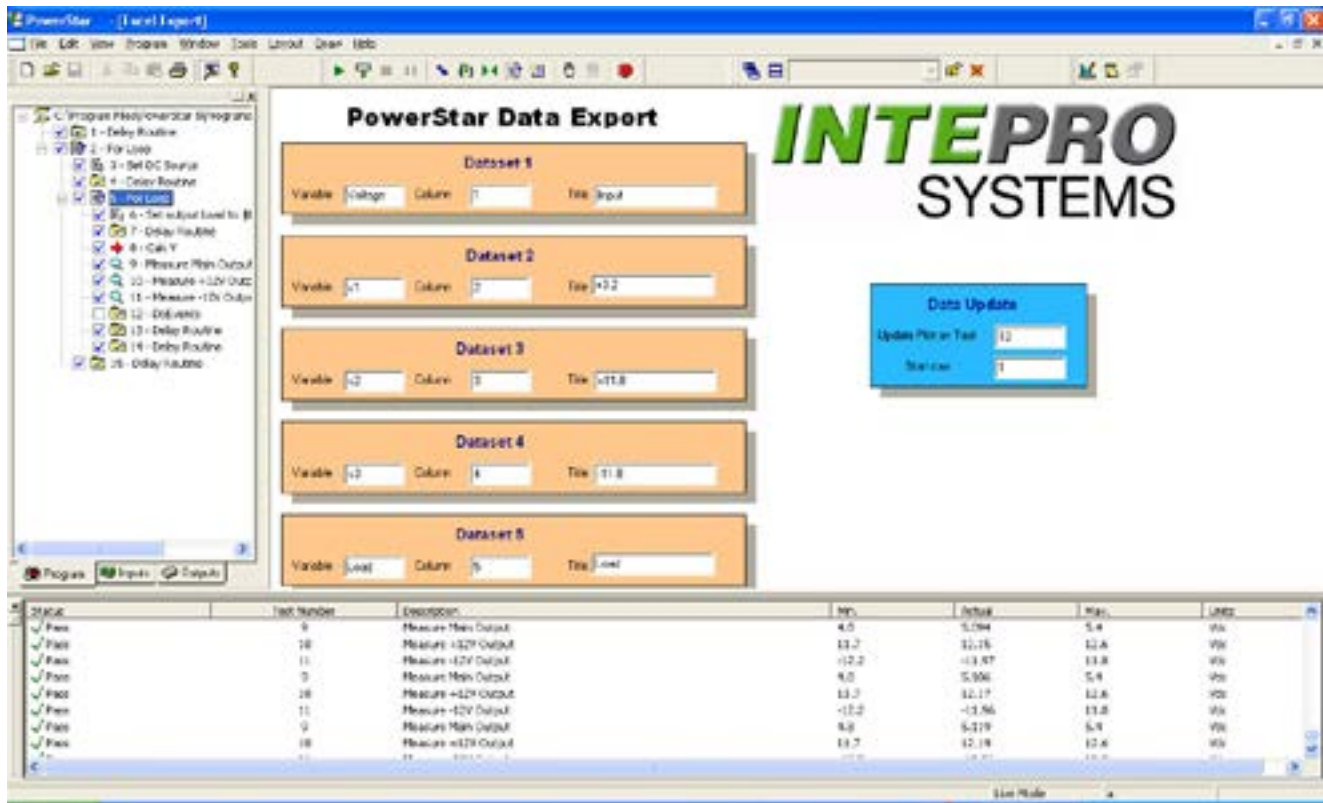
- Dynamic Link Library (DLL) Creation: Users can create VIs (Virtual Instruments) as DLLs, allowing for sophisticated and customized test procedures.
- Parameter Passing: Parameters can be passed between PowerStar and 3rd party VIs, ensuring comprehensive data exchange and control.
- Result Logging: External indicators can be returned to PowerStar and logged as results or exported to variables, enhancing data management.
- Multithreaded Application Support: PowerStar supports multithreaded applications, ensuring smooth operation of external integrations within the testing environment.



Hardware Independence

PowerStar's hardware independence is a critical feature that allows a single test program to run across multiple platforms with dissimilar hardware without changing the test program. This independence provides significant advantages:

- Flexibility: PowerStar is designed to operate across a wide range of hardware configurations, allowing you to use the equipment that best fits your needs.
- Lower Life Costs: Avoid being locked into specific hardware vendors, giving you the freedom to choose more cost-effective or specialized equipment as needed.
- Seamless Integration: Easily integrate with existing hardware setups without the need for extensive modifications or additional investments.
- Future-Proofing: As your hardware needs evolve, the PowerStar test programs adapt accordingly, ensuring long-term usability with zero or minimum software changes.

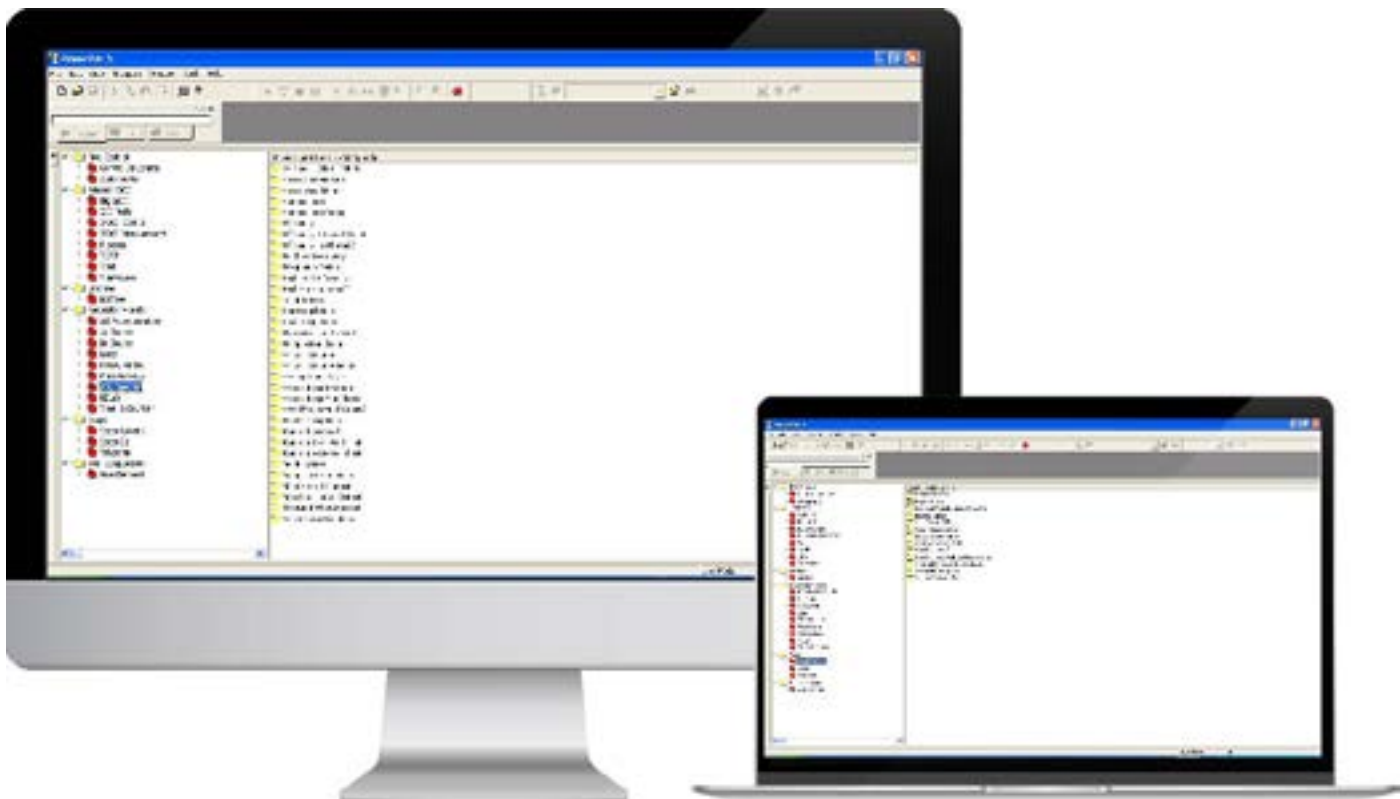


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Benefits of Using PowerStar

Utilizing PowerStar brings numerous advantages to your organization

- Increased Efficiency: Streamline testing processes to save time and resources.
- Accurate Data Collection: Ensure the reliability of your data with high-precision analysis tools.
- Documentation on the go: PowerStar allows you to document as you program reducing the time to certify the test programs.
- Enhanced Productivity: Boost your team’s productivity by automating routine tasks.
- Improved Decision-Making: Make informed decisions with comprehensive and accurate data insights.
- Scalability: Adapt PowerStar to meet the evolving needs of your testing requirements.



Industries and Applications

PowerStar is trusted by professionals across various industries, including:

- Aerospace and Defense: Ensure the reliability and performance of critical systems.
- EV: Conduct thorough testing of automotive electronics, battery, and electronic drive systems.
- Telecommunications: Optimize the performance of telecom infrastructure.
- Energy: Analyze and improve the efficiency of renewable energy systems.
- Consumer Electronics: Test and validate consumer electronics for quality assurance.

Applications of PowerStar include battery testing, power supply testing, and renewable energy system analysis, making it an indispensable tool in these sectors.



CUSTOMER TESTIMONIALS

Our clients have experienced significant improvements with PowerStar:

- “PowerStar has revolutionized our power testing process. The accuracy and efficiency it provides are unparalleled.” - John Doe, Engineer at XYZ Corp.
- “We’ve seen a significant increase in productivity since implementing PowerStar. The automated testing features are a game-changer.” - Jane Smith, CTO at ABC Inc.





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