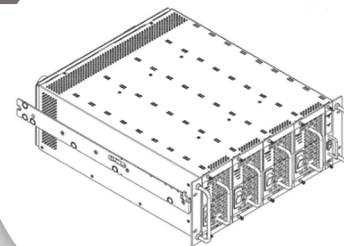
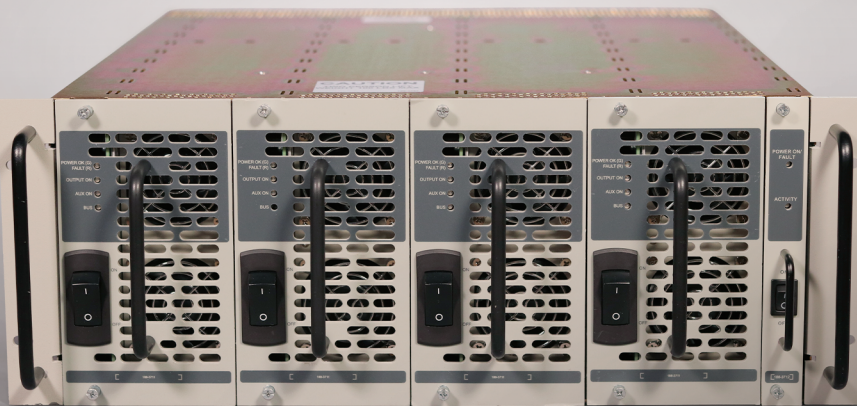


# AC POWER SUPPLY SYSTEM



## FW01-10103-10 PRODUCT DESCRIPTION

Designed to support modular programmable AC power supply requirements for diverse applications in commercial and military automated test systems and production test equipment, the FW01-10103-10 AC Power Supply (ACPS) System is ideal for providing a seamless transition away from older AC power supplies that may be obsolete or perhaps newer ones that are under-performing.

With a design utilizing state-of-the-market components, the ACPS System provides a reliable and maintainable solution to meet the needs of systems that require programmable AC power supplies. The ACPS System contains a Digital Controller Module and four (4) AC Power Supply Modules that are installed in a rugged 19-inch rack chassis with a 4U form factor. The ACPS System has been designed with several notable features:

- ▶ Industry-Standard 19-Inch Rack Mount Chassis with 4U Form-Factor
- ▶ Modular Design to allow easy installation and removal of power modules
- ▶ Up to four (4) AC power modules can be installed to provide single-phase, two-phase, or three-phase power
- ▶ Programmable Voltage Values and Current Limits
- ▶ Internal/External Sense Line Selection
- ▶ Independently-Controlled Isolation Relays for each output
- ▶ Programmable over an Industry-Standard IEEE-488 communication bus using a simple set of commands
- ▶ Input Over-Current, Output Over-Voltage, Output Over-Current, Internal Over-Temperature, Internal Fault and Fan Status

[www.ses-i.com](http://www.ses-i.com)



# SPECIFICATIONS

## AC POWER SUPPLY | FW01-10103-10



SCIENCE & ENGINEERING SERVICES, LLC

### ELECTRICAL

- ▶ AC Input: 115 Volts Alternating Current (VAC), 47 Hz to 63 Hz
- ▶ Internal or External Sense Lines (Selectable)
- ▶ Single Phase (PH1-PH4) / Two or Three Phase (PH1-PH3) Operation
- ▶ Output Voltage  
Range: 0 to 135 VAC per Module
- ▶ Output Current Limit  
Range: 0 to 7 Amperes per Module
- ▶ Programmable Phase Angle  
Range: 0 to 359.5 Degrees
- ▶ Voltage Readback
- ▶ Current Readback
- ▶ Monitoring:
  - Input Over-Current - Trips Input Breaker
  - Output Over-Voltage - Digitally Reportable
  - Output Over-Current - Digitally Reportable
  - Internal Over-Temperature - Digitally Reportable
- ▶ Reportable
  - Internal Fault - Digitally Reportable
  - Fan Status - Digitally Reportable
- ▶ Output and Sense Lines are Opened/Closed with Relays

### MECHANICAL

- ▶ Basic Dimensions:  
7" H x 19" W x 22" D
- ▶ Industry-Standard 19-Inch Rack Mount with 4U Form-Factor
- ▶ Weight: 96 lbs with Full Chassis

### INDUSTRY USAGE

This modular AC power supply system is well positioned to be used in automated test systems and as production test equipment in several key industry domains:

- Renewable Energy
- Aerospace
- Semiconductor
- Automotive



**RELIABLE DESIGN**



**19-INCH FORM FACTOR**



**RUGGED ARCHITECTURE**

### MORE INFO

#### CONTACT

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110 Stillwater Circle  
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## SERVICES AVAILABLE

### TECHNICAL SUPPORT

### INSTALLATION AND SETUP

### MAINTENANCE

### APPLICATION SUPPORT

### HARDWARE SUPPORT

### SOFTWARE SUPPORT

### GUARANTEED WARRANTY