# AMERICAN RELIANCE, INC.

# FEL-SERIES PROGRAMMABLE ELECTRONIC LOADS FOR ULTRA-LOW VOLTAGE & FUEL CELL APPLICATIONS

Air-Cooled
 Superior Performance and Reliability
 Widest Selection
 "One-Box" Interface Design
 Custom Design and Modifications
 Down to 0.2 Volt Operation



#### LOW VOLTAGE PROGRAMMING

One of the most unique attractions of the FEL Series is its ability to operate well below the typical voltage levels commonly found in the general market place. All models provide operation down to 0.2-Volt depended upon the operating current level.

### **CUSTOMER DESIGN AND MODIFICATIONS**

The FEL Series delivers the ultimate in flexibility to provide specific programmable load solutions for any lab or ATE environment. If your application requires unique power requirements or custom voltage or current combination, and analog or digital programming, AMREL can assist in meeting your stringent specification. With years of power supply and electronic load experience, AMREL's engineering staff will work as part of your team to resolve your test problems. Custom units are typically available within 6 to 8 weeks.

- Co-existent GPIB and RS-232 Standard Interface
- Four Constant Operating Modes: Power, Voltage, Current, and Resistance
- Close-Case Calibration

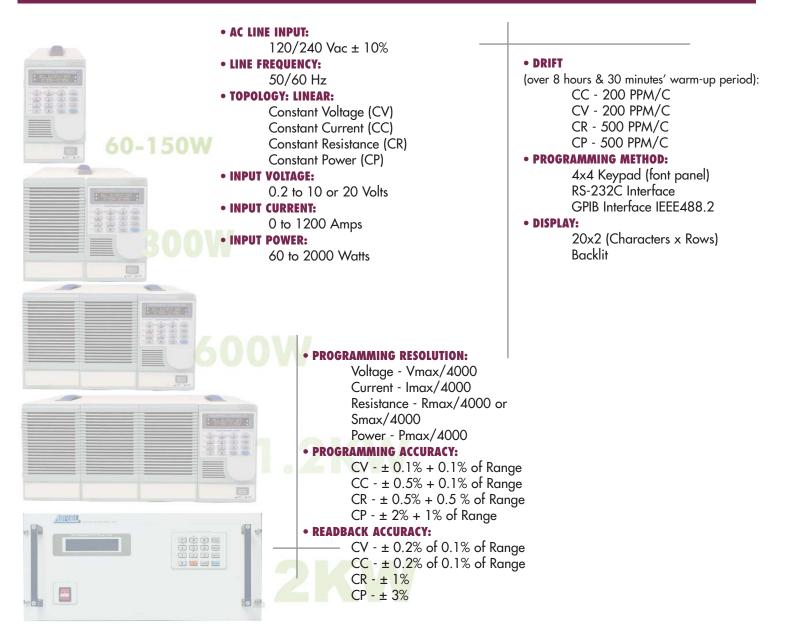
**KEY FEATURES** 

- Simultaneous display of any Two Selectable Parameter Combinations
- Six Programmable Protection Modes:
- Overvoltage (OVP), Undervoltage (UVP),
- Overcurrent (OCP), Undercurrent (UCP),
  - Overpower (OPP), and Underpower (UPP)
- Over Temperature (OTP) Protection

- 12-bit resolution
- "C" Operand for Battery Testing
- Analog Programming 0-10Vdc
- Power Bandwidth up to 10KHz
- 99-Point of Dynamic Power Profile Programming Capability
- Power Off Memory
- 256-Point of Recording and Printing Capability with Date Stamp
- ▶ 256-programmable Slew Rates Capability
- LabWindows and LabView Drivers
- Custom Units Available

AVAILABLE MODELS				
MODEL	INPUT Voltage V (MAX)	INPUT CURRENT A (MAX)	INPUT POWER W (MAX)	MAX INPUT CURRENT @0.4 Vdc
FEL 60-1	1 OVdc	50 Adc	60W	50 Amps
FEL 150-1	1 OVdc	100 Adc	150W	75 Amps
FEL 300-1	1 OVdc	200 Adc	300W	100 Amps
FEL 600-1	1 OVdc	600 Adc	600W	300 Amps
FEL 1.2K-1	1 OVdc	1200 Adc	1.2KW	600 Amps
FEL 2.0K-1 Input Voltage (	10Vdc of 20Vdc available: Designa	1200 Adc te -2 instead of -1 for the a	2.0KW bove model numbers	1200 Amps

## SPECIFICATIONS





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