

AMREL'S eLoad® line includes five series of programmable electronic loads:

PLA Series of Air-Cooled Loads

- Available Models: 800W, 1.5kW, 2kW, 2.5kW, 3kW, 4kW, 5kW, 7.5kW, 10kW, 20kW (up to 100kW+), up to 1000V and 2000A
- Low-voltage Operation
- Closed-case Calibration
- Individual FET Protection
- Co-resident GPIB IEEE-488/RS-232 (Standard)
- USB and Embedded Ethernet Interfaces Available (Field Upgradeable)
- Oscillation Protection
- Five Operating Modes: CC, CR, CV, CP and Pulse
- Programmable Protection: OV/UV/OC/UC/OP/UP
- Dynamic Power Profiling (stores up to 4 profiles)
- Ultra-low Range Available



PLW Series of Water-Cooled Loads

- Market's Widest Selection of Available Models: 6kW/9kW/12kW/18kW(2U) 24kW/36kW(4U) (up to 100kW+ available upon request), up to 1200V and 3000A (5000A Upon Request) Ultra-low Range Available
- Low-voltage Operation
- Closed-case Calibration
- Individual FET Protection
- Co-resident GPIB IEEE-488/RS-232 (Standard)
- USB and Embedded Ethernet Available
- Oscillation Protection
- Condensation Protection
- Highest Power Dissipation Density
- Five Operating Modes: CC, CR, CV, CP & Pulse
- Programmable Protection: OV/UV/OC/UC/OP/UP
- Dynamic Power Profiling (stores up to 4 profiles)



LPL Series of Low-Profile Air-Cooled Loads

- Available 600W Models: 60V, 120V, 400V, 600V
- Ultra-compact Design (1U high)
- Low-voltage Operation
- Closed-case Calibration
- Individual FET Protection
- Full Front Panel Control
- GPIB IEEE-488/RS-232 (Standard)
- USB and Embedded Ethernet Available (Field Upgradeable)
- Oscillation Protection
- Dynamic Power Profiling (stores up to 4 profiles)
- Programmable Protection: OV/UV/OC/UC/OP/UP



PEL Series of Low-Power Air-Cooled Loads

- Available Models: 60W, 150W, 300W, 600W
- Low-voltage Operation
- Closed-case Calibration
- GPIB IEEE-488/RS-232 (Standard)
- Dynamic Power Profile (99 Points)
- Five Modes of Operation: CC, CR, CV, CP and Pulse
- Programmable Protection: OV/UV/OC/UC/OP/UP

FEL Series of Low-Voltage Air-Cooled Loads

- Available Models: 60W, 150W, 300W
- Ultra-low Voltage Operation (<1V)
- Closed-case Calibration
- Co-resident GPIB IEEE-488/RS-232 (Standard)
- Dynamic Power Profile (99 Points)
- Full Front Panel Control
- Five Modes of Operation: CC, CR, CV, CP and Pulse
- Programmable Protection: OV/UV/OC/UC/OP/UP



Customization and Modification Available.

Additional products available that are not listed above include:

Zero-volt Load (ZVL) - 1/2 rack 4U box 40Adc (100W/200W), full rack 4U box 80Adc(300W), customized ratings available.

Frequency Response Analyzer (FRA) - at under \$5k, AMREL's FRA is a low cost, fully functional alternative to high priced (up to \$20k) FRA's on the market.

Please Note: Specifications subject to change without notification.

AMERICAN RELIANCE, INC.

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AMREL's ePower® line includes three series and over 200 models of programmable switch mode & linear power supplies:

SPS Series of Mid-Power Rackmount Switch Mode Power Supplies

- Wide Ranges 1.2kW to 45kW, up to 1000Vdc and 2700Adc
- Low Profile, High Power Density 1U (1.2kW and 1.5kW)
- GPIB/SCPI, RS-232, RS-485, USB & Ethernet Interfaces Available
- Built-in Output Isolation & Polarity Reversal Relays Available
- Master Slave Capability up to 31 Channels
- Available with Full Function Keypad Control, LED Indicators, and/or Encoder Knob Controls, Auto Sequencing and Triggering
- External Analog Programming
- Dual Channel (SPD) Models Available
- Closed-case Calibration



HPS Series of High-Power Cabinet Mounted Switch Mode Power Supplies

- Wide Ranges 20kW to 900kW+, up to 2500Vdc and 7500Adc
- Closed-case Calibration
- Co-existent GPIB/SCPI & RS-232 Interfaces Standard
- Ethernet and USB Interfaces Available (Field Upgradeable)
- External Analog Programming
- Provides High Efficiency & High Power Factor (~0.9) Operation
- Available in Standard 22" to 48" Wide Cabinet Mount Enclosures
- NEMA Weatherized Enclosure Available



PD Series of Low Noise Linear Power Supplies

- Output Ranges 20W to 1750W, 5 to 350Vdc and 0.1 to 50Amps
- Single & Dual Outputs
- CV/CC Crossover
- Co-existent GPIB/SCPI & RS-232 Interfaces Standard
- Ethernet Interface Available
- Low Ripple and Noise (PARD) Output
- Multi-Channel Systems, up to 8 channels per chassis (PDS) Available
- Bench-top Models (BPD) Available W 8.5"x H 7"(4U)x D 15.6"
- Closed-case Calibration



MCU(Multiple Channel Controller) for Multiple Device Connectivity

- Complete Remote Access & Control
- GPIB/SCPI, RS-232, RS485, USB and Ethernet Interfaces
- Add More MCU Controllers for Unlimited Expansion
- Connect up to 8 Power Supplies or Electronic Loads



Customization and Modification Available.

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