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# PD FEATURES

## PROGRAMMABLE LINEAR POWER SUPPLIES

### Common Features for ALL PD Models

- Fast Transient Response – 50us
- Low Ripple and Noise (PARD)
- 16 bit Digital Design Displays both voltage and current measurements, OVP, OCP, $V_{LIST}$, $I_{LIST}$, and other system indicator on an LCD display simultaneously without the need for external DMM or monitoring
- Front Panel Keypad for precise and easy-to-operate setting of the output voltage, current and other system functions
- Automatic Crossover of Constant Current or Constant Voltage Mode.
- Embedded RS-232 and IEEE488.2 SCPI/GPIB Standard and Optional Ethernet or USB-only Control for flexible remote digital programming and read back
- Optional RS-485 for Master/Slave Paralleling & to control multiple blocks of identically rated power supplies with a single PC interface connection
- $V_{LIST}$ and $I_{LIST}$ in Stepping Mode, PD Series to generate customized sequence of different output level up to maximum of 20 steps (points), with dwell times from 10ms to 1 minute stored in 4 profiles (This sequence can be cycled once or to a user-defined number of cycles)
- High-speed and Ultra-precision Design with 0.04% measurement accuracy and 0.1mA/0.5mV resolution (not applicable to all models)
- Programmable OVP (Over-voltage Protection) & OCP (Over-current Protection), Redundant OTP (Over-temperature Protection), UVP (Under-voltage Protection), Remote Lockout (for $I_{LIST}$, $V_{LIST}$ and ATE), Fan-speed Control
- Remote Sensing to compensate for measurement errors due to large line drops
- Electronic Remote/Local Closed-cased Calibration
- Active Down Programming Control for fast down programming speed
- Polarity Reversal & Isolation Output Relays available
- LabVIEW/LabWindows Drivers
- Local/Remote Voltage and Current Limit Programming with selectable programming ranges (Optional)
- TTL Function to enable/disable the power supply output. (Optional)
- External Analog Voltage (0 to +10Vdc) Input for the programming voltage/current output (Optional)
- Multi-channel systems available, up to 8 channels per chassis. (PDS Models)
- Modified & Customized Solutions such as higher voltage/current ratings

### E– Option Model Features (Keypad, Encoder, Ethernet)



- Digital Encoder & Full Functional Keypad for real-time programmatic control
- Ethernet and RS-485 available for system-level expansion & integration
- Standard Tracking Feature for multi-channel synchronized control
- USB-only Interface available

### PDS Model Features (Multi-channel)



- More Choices - the only linear supply providing up to 350Vdc, 50Adc @ maximum power of up to 1.75 ~ 2kW in a single 4U 19” inch rackmount box
- More Flexibility - customize the voltage/power/current rating of numerous single supplies and combine them into a single system with up to 8 channels per 4U box
- More Expandability - Master/Slave Parallel multiple identically-rated systems & control up to 32 channels as a single unit via one GPIB, RS-232, or RS-485 address

| MODEL[1] | VOLTAGE OUTPUT 0-Vdc Max. | CURRENT OUTPUT 0-Adc Max. | PROGRAMMING Resolution[2] | | PROGRAMMING Accuracy[10] | | OVER-VOLTAGE PROTECTION | READBACK Resolution[2] | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Voltage (mV) | Current (mA) | Voltage (mV) | Current (mA) | Voltage(V)[10] | Voltage (mV) | Current (mA) |
| **PD5-3** | 5 | 3 | 0.5 | 0.3 | 0.02% + 1.5 | 0.03% + 0.9 | 0.2%+0.3% | 0.5 | 0.3 |
| **PD5-10** | 5 | 10 | 0.5 | 1 | 0.02% + 1.5 | 0.03% + 3.0 | 0.2%+0.3% | 0.5 | 1 |
| **PD5-12** | 5 | 12 | 0.5 | 1.2 | 0.02% + 1.5 | 0.03% + 3.6 | 0.2%+0.3% | 0.5 | 1.2 |
| **PD5-20** | 5 | 20 | 0.5 | 2 | 0.02% + 1.5 | 0.03% + 6.0 | 0.2%+0.3% | 0.5 | 2 |
| **PD5-24** | 5 | 24 | 0.5 | 2.4 | 0.02% + 1.5 | 0.03% + 7.2 | 0.2%+0.3% | 0.5 | 2.4 |
| **PD5-30** | 5 | 30 | 0.5 | 3 | 0.02% + 1.5 | 0.03% + 9.0 | 0.2%+0.3% | 0.5 | 3 |
| **PD5-40** | 5 | 40 | 0.5 | 4 | 0.02% + 1.5 | 0.03% + 12 | 0.2%+0.3% | 0.5 | 4 |
| **PD8-2** | 8 | 2 | 0.8 | 0.2 | 0.02% + 2.4 | 0.03% + 0.6 | 0.2%+0.3% | 0.8 | 0.2 |
| **PD8-4** | 8 | 4 | 0.8 | 0.4 | 0.02% + 2.4 | 0.03% + 1.2 | 0.2%+0.3% | 0.8 | 0.4 |
| **PD8-10** | 8 | 10 | 0.8 | 1 | 0.02% + 2.4 | 0.03% + 3.0 | 0.2%+0.3% | 0.8 | 1 |
| **PD 8-20** | 8 | 20 | 0.8 | 2 | 0.02% + 2.4 | 0.03% + 6.0 | 0.2%+0.3% | 0.8 | 2 |
| **PD8-40** | 8 | 40 | 0.8 | 4 | 0.02% + 2.4 | 0.03% + 12 | 0.2%+0.3% | 0.8 | 4 |
| **PD20-1** | 20 | 1 | 2 | 0.1 | 0.02% + 6.0 | 0.03% + 0.3 | 0.2%+0.3% | 2 | 0.1 |
| **PD20-2** | 20 | 2 | 2 | 0.2 | 0.02% + 6.0 | 0.03% + 0.6 | 0.2%+0.3% | 2 | 0.2 |
| **PD20-3** | 20 | 3 | 2 | 0.3 | 0.02% + 6.0 | 0.03% + 0.9 | 0.2%+0.3% | 2 | 0.3 |
| **PD20-4** | 20 | 4 | 2 | 0.4 | 0.02% + 6.0 | 0.03% + 1.2 | 0.2%+0.3% | 2 | 0.4 |
| **PD20-5** | 20 | 5 | 2 | 0.5 | 0.02% + 6.0 | 0.03% + 1.5 | 0.2%+0.3% | 2 | 0.5 |
| **PD20-10** | 20 | 10 | 2 | 1 | 0.02% + 6.0 | 0.03% + 3.0 | 0.2%+0.3% | 2 | 1 |
| **PD20-30** | 20 | 30 | 2 | 3 | 0.02% + 6.0 | 0.03% + 9.0 | 0.2%+0.3% | 2 | 3 |
| **PD20-50** | 20 | 50 | 2 | 5 | 0.02% + 6.0 | 0.03% + 15 | 0.2%+0.3% | 2 | 5 |
| **PD30-0.6** | 30 | 0.6 | 3 | 0.1 | 0.02% + 9.0 | 0.03% + 0.2 | 0.2%+0.3% | 3 | 0.1 |
| **PD30-1.2** | 30 | 1.2 | 3 | 0.2 | 0.02% + 9.0 | 0.03% + 0.4 | 0.2%+0.3% | 3 | 0.2 |
| **PD30-2** | 30 | 2 | 3 | 0.2 | 0.02% + 9.0 | 0.03% + 0.6 | 0.2%+0.3% | 3 | 0.2 |
| **PD30-2.5** | 30 | 2.5 | 3 | 0.3 | 0.02% + 9.0 | 0.03% + 0.8 | 0.2%+0.3% | 3 | 0.3 |
| **PD30-5** | 30 | 5 | 3 | 0.5 | 0.02% + 9.0 | 0.03% + 1.5 | 0.2%+0.3% | 3 | 0.5 |
| **PD30-10** | 30 | 10 | 3 | 1 | 0.02% + 9.0 | 0.03% + 3.0 | 0.2%+0.3% | 3 | 1 |
| **PD35-2.0** | 35 | 2 | 3.5 | 0.2 | 0.02% + 10.5 | 0.03% + 0.6 | 0.2%+0.3% | 3.5 | 0.2 |
| **PD40-0.5** | 40 | 0.5 | 4 | 0.1 | 0.02% + 12.0 | 0.03% + 0.2 | 0.2%+0.3% | 4 | 0.1 |
| **PD40-1** | 40 | 1 | 4 | 0.1 | 0.02% + 12.0 | 0.03% + 0.3 | 0.2%+0.3% | 4 | 0.1 |
| **PD40-1.5** | 40 | 1.5 | 4 | 0.2 | 0.02% + 12.0 | 0.03% + 0.5 | 0.2%+0.3% | 4 | 0.2 |
| **PD40-2** | 40 | 2 | 4 | 0.2 | 0.02% + 12.0 | 0.03% + 0.6 | 0.2%+0.3% | 4 | 0.2 |
| **PD40-3.5** | 40 | 3.5 | 4 | 0.4 | 0.02% + 12.0 | 0.03% + 1.1 | 0.2%+0.3% | 4 | 0.4 |
| **PD40-7** | 40 | 7 | 4 | 0.7 | 0.02% + 12.0 | 0.03% + 2.1 | 0.2%+0.3% | 4 | 0.7 |
| **PD40-6** | 40 | 6 | 4 | 0.6 | 0.02% + 12.0 | 0.03% + 1.8 | 0.2%+0.3% | 4 | 0.6 |
| **PD60-0.3** | 60 | 0.3 | 6 | 0.1 | 0.02% + 18.0 | 0.03% + 0.1 | 0.2%+0.3% | 6 | 0.1 |
| **PD60-1** | 60 | 1 | 6 | 0.1 | 0.02% + 18.0 | 0.03% + 0.3 | 0.2%+0.3% | 6 | 0.1 |
| **PD60-3** | 60 | 3 | 6 | 0.3 | 0.02% + 18.0 | 0.03% + 0.9 | 0.2%+0.3% | 6 | 0.3 |
| **PD60-6** | 60 | 6 | 6 | 0.6 | 0.02% + 18.0 | 0.03% + 1.8 | 0.2%+0.3% | 6 | 0.6 |
| **PD60-10** | 60 | 10 | 6 | 1 | 0.02% + 18.0 | 0.03% + 3.0 | 0.2%+0.3% | 6 | 1 |
| **PD60-20** | 60 | 20 | 6 | 2 | 0.02% + 18.0 | 0.03% + 6.0 | 0.2%+0.3% | 6 | 2 |
| **PD80-0.25** | 80 | 0.25 | 8 | 0.1 | 0.02% + 24.0 | 0.03% + 0.1 | 0.2%+0.3% | 8 | 0.1 |
| **PD80-2.5** | 80 | 2.5 | 8 | 0.3 | 0.02% + 24.0 | 0.03% + 0.8 | 0.2%+0.3% | 8 | 0.3 |
| **PD80-3.5** | 80 | 3.5 | 8 | 0.4 | 0.02% + 24.0 | 0.03% + 1.1 | 0.2%+0.3% | 8 | 0.4 |
| **PD120-0.3** | 120 | 0.3 | 12 | 0.1 | 0.02% + 36.0 | 0.03% + 0.1 | 0.2%+0.3% | 12 | 0.1 |
| **PD120-0.5** | 120 | 0.5 | 12 | 0.1 | 0.02% + 36.0 | 0.03% + 0.2 | 0.2%+0.3% | 12 | 0.1 |
| **PD120-0.5** | 120 | 0.5 | 12 | 0.1 | 0.02% + 36.0 | 0.03% + 0.2 | 0.2%+0.3% | 12 | 0.1 |
| **PD120-1** | 120 | 1 | 12 | 0.1 | 0.02% + 36.0 | 0.03% + 0.3 | 0.2%+0.3% | 12 | 0.1 |
| **PD120-2** | 120 | 2 | 12 | 0.2 | 0.02% + 36.0 | 0.03% + 0.6 | 0.2%+0.3% | 12 | 0.2 |
| **PD250-0.2** | 250 | 0.2 | 25 | 0.1 | 0.03% + 100 | 0.03% + 0.1 | 0.2%+0.3% | 25 | 0.1 |
| **PD250-0.4** | 250 | 0.4 | 25 | 0.1 | 0.03% + 100 | 0.03% + 0.1 | 0.2%+0.3% | 25 | 0.1 |
| **PD250-0.6** | 250 | 0.6 | 25 | 0.1 | 0.03% + 100 | 0.03% + 0.2 | 0.2%+0.3% | 25 | 0.1 |

| | |
|---|---|
| Temperature Coefficient[8]: | Constant Voltage - 100 ppm/˚C *Constant Current - 200 ppm/˚C* |
| Output Isolation: | Vout < 350Vdc: ± 500Vdc / Vout < 120Vdc: ± 240Vdc |
| AC Input[9]: | 103.5 ~ 126.5Vac or 207 ~ 253Vac @ 50/60Hz |
| Load Transient Response Time[6]: | 50 µs |

**1: All electronic specifications are represented at the full operating temperature range for all models.*

**2: The programming and readback resolutions are based on 16 bit resolution design.*

**3: Load regulation specifications are for 10 - 90% load changes.*

**4: Line regulation specifications are for input voltage variation over the AC input voltage range with constant rated load.*

**5: Ripple and Noise (PARD) specifications are for 10 - 100% output voltage and full output current.*



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| READBACK Accuracy[10] | | REGULATION Load[3] | | Line[4] | PARD[5] CV/CC | DRIFT (STABILITY)[10] | | PROGRAM[7] |
|---|---|---|---|---|---|---|---|---|
| Voltage (mV) | Current (mA) | CV (mV) | CC (mA) | CV/CC | $mVrms/mV_{PK-PK}$ | CV (mV) | CC (mA) | $T_{UP}/T_{DN}$ |
| 0.02% + 1.5 | 0.02% + 0.9 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 0.3 | 0.1% + 0.20 | 10/10ms |
| 0.02% + 1.5 | 0.02% + 3.0 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 0.3 | 0.1% + 0.50 | 10/10ms |
| 0.02% + 1.5 | 0.02% + 3.6 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 0.3 | 0.1% + 0.60 | 10/10ms |
| 0.02% + 1.5 | 0.02% + 6.0 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 0.3 | 0.1% + 1.00 | 10/10ms |
| 0.02% + 1.5 | 0.02% + 7.2 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 0.3 | 0.1% + 1.20 | 10/10ms |
| 0.02% + 1.5 | 0.02% + 9.0 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 0.3 | 0.1% + 1.50 | 10/10ms |
| 0.02% + 1.5 | 0.02% + 12.0 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 0.3 | 0.1% + 2.00 | 10/10ms |
| 0.02% + 2.4 | 0.02% + 0.6 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 0.4 | 0.1% + 0.10 | 10/10ms |
| 0.02% + 2.4 | 0.02% + 1.2 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 0.4 | 0.1% + 0.20 | 10/10ms |
| 0.02% + 2.4 | 0.02% + 3.0 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 0.4 | 0.1% + 0.50 | 10/10ms |
| 0.02% + 2.4 | 0.02% + 6.0 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 0.4 | 0.1% + 1.00 | 10/10ms |
| 0.02% + 2.4 | 0.02% + 12.0 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 0.4 | 0.1% + 2.00 | 10/10ms |
| 0.02% + 6.0 | 0.02% + 0.3 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 1 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 6.0 | 0.02% + 0.6 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 1 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 6.0 | 0.02% + 0.9 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 1 | 0.1% + 0.20 | 30/40ms |
| 0.02% + 6.0 | 0.02% + 1.2 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 1 | 0.1% + 0.20 | 30/40ms |
| 0.02% + 6.0 | 0.02% + 1.5 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 1 | 0.1% + 0.30 | 30/40ms |
| 0.02% + 6.0 | 0.02% + 3.0 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 1 | 0.1% + 0.50 | 30/40ms |
| 0.02% + 6.0 | 0.02% + 9.0 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 1 | 0.1% + 1.50 | 30/40ms |
| 0.02% + 6.0 | 0.02% + 15.0 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.3/3 | 0.01% + 1 | 0.1% + 2.50 | 30/40ms |
| 0.02% + 9.0 | 0.02% + 0.2 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 1.5 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 9.0 | 0.02% + 0.4 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 1.5 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 9.0 | 0.02% + 0.6 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 1.5 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 9.0 | 0.02% + 0.8 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 1.5 | 0.1% + 0.20 | 30/40ms |
| 0.02% + 9.0 | 0.02% + 1.5 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 1.5 | 0.1% + 0.30 | 30/40ms |
| 0.02% + 9.0 | 0.02% + 3.0 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 1.5 | 0.1% + 0.50 | 30/40ms |
| 0.02% + 10.5 | 0.02% + 0.6 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 1.8 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 12.0 | 0.02% + 0.2 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 2 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 12.0 | 0.02% + 0.3 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 2 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 12.0 | 0.02% + 0.5 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 2 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 12.0 | 0.02% + 0.6 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 2 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 12.0 | 0.02% + 1.1 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 2 | 0.1% + 0.20 | 30/40ms |
| 0.02% + 12.0 | 0.02% + 2.1 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 2 | 0.1% + 0.40 | 30/40ms |
| 0.02% + 12.0 | 0.02% + 1.8 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 2 | 0.1% + 0.30 | 30/40ms |
| 0.02% + 18.0 | 0.02% + 0.1 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 3 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 18.0 | 0.02% + 0.3 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 3 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 18.0 | 0.02% + 0.9 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 3 | 0.1% + 0.20 | 30/40ms |
| 0.02% + 18.0 | 0.02% + 1.8 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 3 | 0.1% + 0.30 | 30/40ms |
| 0.02% + 18.0 | 0.02% + 3.0 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 3 | 0.1% + 0.50 | 30/40ms |
| 0.02% + 18.0 | 0.02% + 6.0 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 0.6/3 | 0.01% + 3 | 0.1% + 1.00 | 30/40ms |
| 0.02% + 24.0 | 0.02% + 0.1 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 1/6 | 0.01% + 4 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 24.0 | 0.02% + 0.8 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 1/6 | 0.01% + 4 | 0.1% + 0.20 | 30/40ms |
| 0.02% + 24.0 | 0.02% + 1.1 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 1/6 | 0.01% + 4 | 0.1% + 0.20 | 30/40ms |
| 0.02% + 36.0 | 0.02% + 0.1 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 1/6 | 0.01% + 6 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 36.0 | 0.02% + 0.2 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 1/6 | 0.01% + 6 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 36.0 | 0.02% + 0.2 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 1/6 | 0.01% + 6 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 36.0 | 0.02% + 0.3 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 1/6 | 0.01% + 6 | 0.1% + 0.10 | 30/40ms |
| 0.02% + 36.0 | 0.02% + 0.6 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 1/6 | 0.01% + 6 | 0.1% + 0.10 | 30/40ms |
| 0.03% + 75.0 | 0.03% + 0.1 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 2/15 | 0.01% + 13 | 0.1% + 0.10 | 150/170ms |
| 0.03% + 75.0 | 0.03% + 0.1 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 2/15 | 0.01% + 13 | 0.1% + 0.10 | 150/170ms |
| 0.03% + 75.0 | 0.03% + 0.2 | 0.001% + 1 | 0.01% + 1 | 1mV/1mA | 2/15 | 0.01% + 13 | 0.1% + 0.10 | 150/170ms |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

**6: Time for output voltage to recover to within +/- 0.5% of $V_{FULL-SCALE}$ following a 10% ~ 60% load current change.*

**7: Programming speed specifications are for 50% of full current loading.*

**8: Temperature coefficient specifies output change per °C in ambient temp. rise following 30 min. warm up, w/ constant line & load.*

**9: AC Input is fixed and factory configured to either 103.5 ~ 126.5Vac or 207 ~ 253Vac @ 50/60Hz.*

**10: Over-voltage Protection, Readback & Programming Accuracy, Load/Line Regulation and CV/CC Drift are specified as Reading/Setting + Full Scale.*

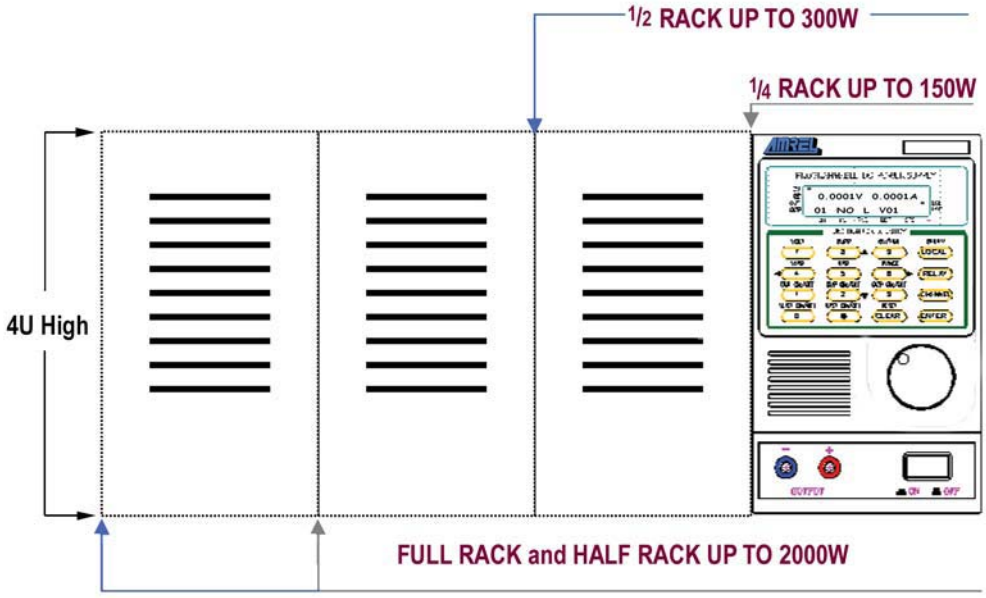
**11: Dual Channel PD Models are also available.*



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**PDX XXX-XX X X X**

- Output Isolation/Polarity Reversal Relays; **R** = Included
  = Leave blank if not included
- Remote Computer Interfaces: **A** = GPIB and RS-232
  **E** = Ethernet, GPIB, and RS-232
- Number of Outputs: **D** = Dual Outputs
  = Leave blank for single output
- **Maximum Current**
- **Maximum Voltage**
- External Analog (0-10V) Control Interface: **A** = Included
  = Leave blank if not included

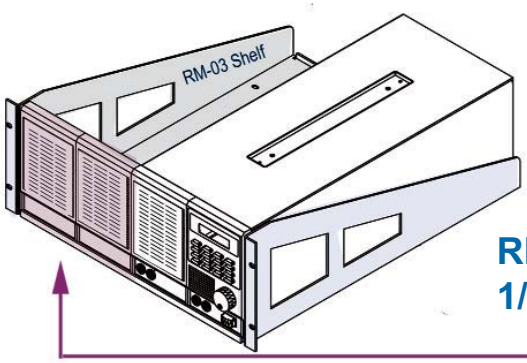




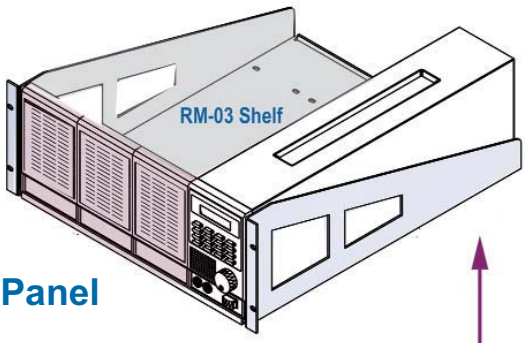

Requesting a modified or customized power supply is easy. Simply go to **www.amrel.com** and complete AMREL's Customization Request Form, or contact your sales support representative **(800) 654-9838** ariinfo@amrel.com

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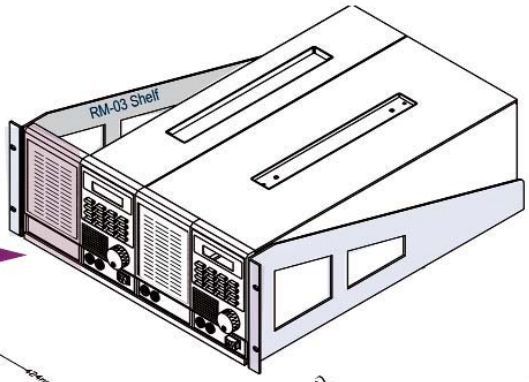
## RACKMOUNT CONFIGURATIONS



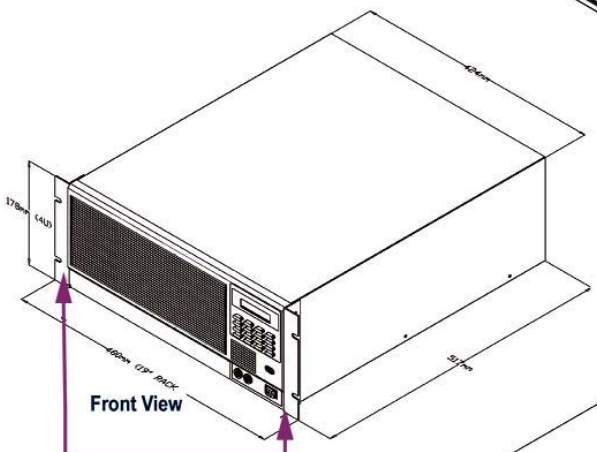

**RMP-02A**
**1/2 Rack Filler Panel**



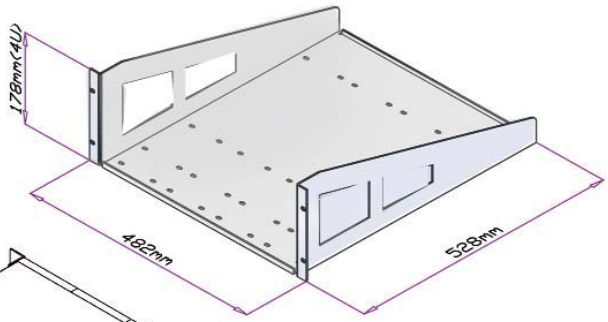

**RMP-03A**
**3/4 Rack Filler Panel**



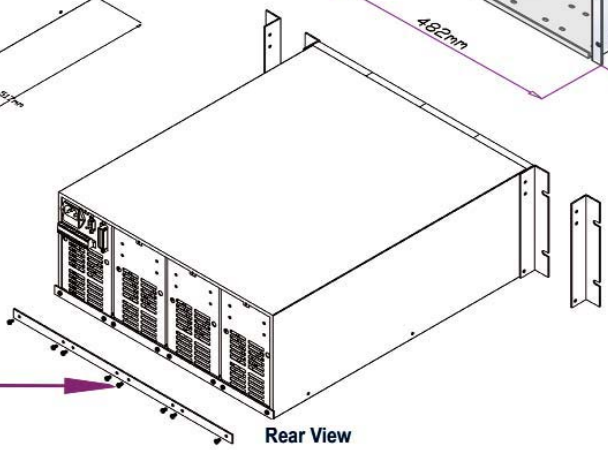

**RMP-01A**
**1/4 Rack Filler Panel**




****RMP-04 Full Rack Ear and Rear Mount**




***RM-03 19" Rackmount Shelf**




Please Note: All full rack units come standard with rack mounting ears.
*When assembled the RM-03 rack shelf adds approximately 3mm to the 4U height, resulting in 5U of required rack space. If space is limited to 4U, use the RMP-04.

**The RMP-04 must be factory assembled and requires a full rack width for mounting.



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