

# RUGGED PLASTIC NEMA 4X ENCLOSURES

## FEATURES

- NEMA 1, 3, 3S, 4, 4X, & 12
- Thermoplastic Material
- House up to 10 Meters
- Horizontal or Vertical Cutouts



## PDA2500 Series Enclosures

## OVERVIEW

The PDA2500 Series Enclosures feature a hinged door in which meters are mounted on, so all programming and operational functions are available without opening the enclosure. Horizontal or vertical cutouts are available. Enclosures and meters are ordered and packaged separately.



PDA2503



PDA2501



PDA2522



PDA2502-V



PDA2506-V

## SUB-PANELS

The PDP2503 and PDP2504 sub-panels are very handy and can be drilled to accept screws for easy mounting of relays, contactors, securing wiring clips, or installing other internal devices. You can easily rearrange things as your needs change. See chart below for compatability.



| Sub-Panels |                       |         |         |         |         |         |         |         |         |         |                     |         |           |           |
|------------|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------------|---------|-----------|-----------|
| Model      | Horizontal Enclosures |         |         |         |         |         |         |         |         |         | Vertical Enclosures |         |           |           |
|            | PDA2501               | PDA2502 | PDA2503 | PDA2504 | PDA2505 | PDA2506 | PDA2507 | PDA2508 | PDA2509 | PDA2510 | PDA2512             | PDA2522 | PDA2501-V | PDA2502-V |
| PDP2503    |                       |         | •       |         |         |         |         |         |         |         |                     | •       |           | •         |
| PDP2504    |                       |         |         | •       | •       | •       |         |         |         |         | •                   |         |           | •         |
|            |                       |         |         |         |         |         |         |         |         |         |                     |         | PDA2503-V | PDA2504-V |
|            |                       |         |         |         |         |         |         |         |         |         |                     |         | PDA2505-V | PDA2506-V |

## SUB-PANEL SPECIFICATIONS

Size: (PDP 2503) 8.75" × 6.88" (222 mm × 175 mm)  
 Size: (PDP 2504) 10.75" × 10.88" (273 mm × 276 mm)  
 Thickness: 14 gauge  
 Material: Steel  
 Mounting hardware is included.



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## ENCLOSURE SPECIFICATIONS

**Dimensions:** Inch (mm)

**Material:** Thermoplastic

**Color:** Gray

**Ratings:** NEMA 4X, UL, C-UL



## Horizontal Enclosures

| Model   | # of Meters | Meter Type |   |   |   |   | Outside Dimensions<br>(H x W x D)      | Inside Dimensions<br>(H x W x D)       | Mounting Dimensions         | Weight<br>lb (kg) |
|---------|-------------|------------|---|---|---|---|----------------------------------------|----------------------------------------|-----------------------------|-------------------|
|         |             | A          | B | C | D | E |                                        |                                        |                             |                   |
| PDA2501 | 1           |            | • | • |   |   | 7.7 x 6.4 x 5.1<br>(196 x 163 x 130)   | 4.9 x 4.9 x 4.5<br>(124 x 124 x 114)   | 6.75 x 4.0<br>(171 x 102)   | 1.6 (0.7)         |
| PDA2502 | 2           |            | • | • |   |   | 9.7 x 6.4 x 5.1<br>(246 x 163 x 130)   | 6.7 x 4.9 x 4.5<br>(170 x 124 x 114)   | 8.75 x 4.0<br>(222 x 102)   | 2.2 (1.0)         |
| PDA2503 | 3           |            | • | • |   |   | 11.7 x 8.4 x 5.1<br>(297 x 213 x 130)  | 8.7 x 6.9 x 4.5<br>(221 x 175 x 114)   | 10.75 x 6.0<br>(273 x 152)  | 3.0 (1.4)         |
| PDA2504 | 4           | •          | • | • | • | • | 13.7 x 12.4 x 7.1<br>(348 x 315 x 181) | 10.7 x 10.9 x 6.5<br>(272 x 277 x 165) | 12.75 x 10.0<br>(324 x 254) | 5.0 (2.3)         |
| PDA2505 | 5           |            |   |   |   |   |                                        |                                        |                             |                   |
| PDA2506 | 6           |            |   |   |   |   |                                        |                                        |                             |                   |
| PDA2512 | 2           |            |   |   |   |   |                                        |                                        |                             |                   |
| PDA2507 | 7           | •          | • | • |   | • | 15.7 x 12.4 x 7.1<br>(399 x 315 x 181) | 12.7 x 10.9 x 6.5<br>(323 x 277 x 165) | 14.75 x 10.0<br>(375 x 254) | 5.5 (2.5)         |
| PDA2508 | 8           | •          | • | • |   | • | 17.7 x 14.4 x 7.1<br>(450 x 366 x 180) | 14.7 x 10.9 x 6.5<br>(373 x 277 x 165) | 16.75 x 12.0<br>(425 x 305) | 7.3 (3.3)         |
| PDA2509 | 9           | •          | • | • |   | • |                                        |                                        |                             |                   |
| PDA2510 | 10          | •          | • | • |   | • |                                        |                                        |                             |                   |

## Vertical Enclosures

| Model     | # of Meters | Meter Type |   |   |   |   | Outside Dimensions<br>(H x W x D)      | Inside Dimensions<br>(H x W x D)       | Mounting Dimensions         | Weight<br>lb (kg) |
|-----------|-------------|------------|---|---|---|---|----------------------------------------|----------------------------------------|-----------------------------|-------------------|
|           |             | A          | B | C | D | E |                                        |                                        |                             |                   |
| PDA2501-V | 1           |            |   |   | • |   | 7.7 x 6.4 x 5.1<br>(196 x 163 x 130)   | 4.9 x 4.9 x 4.5<br>(124 x 124 x 114)   | 4.0 x 6.75<br>(102 x 171)   | 1.6 (0.7)         |
| PDA2502-V | 2           |            |   |   | • |   | 11.7 x 8.4 x 5.1<br>(297 x 213 x 130)  | 8.7 x 6.9 x 4.5<br>(221 x 175 x 114)   | 6.0 x 10.75<br>(152 x 273)  | 3.0 (1.4)         |
| PDA2522   | 2           |            | • | • | ■ |   |                                        |                                        |                             |                   |
| PDA2503-V | 3           | •          | • | • | • | • | 13.7 x 12.4 x 7.1<br>(348 x 315 x 181) | 10.7 x 10.9 x 6.5<br>(272 x 277 x 165) | 10.0 x 12.75<br>(254 x 324) | 5.0 (2.3)         |
| PDA2504-V | 4           |            |   |   |   |   |                                        |                                        |                             |                   |
| PDA2505-V | 5           |            |   |   |   |   |                                        |                                        |                             |                   |
| PDA2506-V | 6           |            |   |   |   |   |                                        |                                        |                             |                   |

• Available ■ 1 Required

| Type | Meters                                                                                                    |
|------|-----------------------------------------------------------------------------------------------------------|
| A    | PD690, PD691, PD692, PD693, PD750, PD751, and PD752                                                       |
| B    | PD542, PD543, and PD562                                                                                   |
| C    | PD603, PD644, PD683, PD684, PD688, PD689, PD743, PD765, PD865, PD6602, PD6603, PD6604, PD6622, and PD6624 |
| D    | PD138, PD154, and PD158                                                                                   |
| E    | PD6000, PD6200, PD6300, and PD7000                                                                        |

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