

Xantrex™ XW Power Distribution Panel XW Connection Kit XW Conduit Box



Xantrex™ XW Power Distribution Panel (Part number: 865-1015)

The Xantrex™ XW Power Distribution Panel (XW PDP) is factory-wired and labeled to support a code-compliant single inverter installation. It has plenty of room to add wiring and breakers to expand the XW System with up to three inverters, four charge controllers, or other equipment to support 120/240-volt, three wire, single phase systems. With a field-reversible door and multiple conduit knockout locations, the PDP can be configured to mount on either side of the inverter/charger.

The XW PDP is designed to save significant time and money during installation, taking 75 percent less time to install than competing solutions. A mounting plate and XW Conduit Box is supplied with each XW PDP.

Product Compatibility

The distribution panel and conduit box interface with the following products:

- ▶ XW Connection Kit (for second XW Hybrid Inverter/Charger) and XW Conduit box
- ▶ XW4024, XW4548, and XW6048 Inverter/Chargers
- ▶ XW Solar Charge Controllers (requires customer-supplied breakers and wiring)
- ▶ C-Series Charge Controllers (requires customer-supplied breakers and wiring)

Product Specifications

XW PDP dimensions: (H x W x D): 30 x 16 x 8.25" (761 x 406 x 210 mm)

Shipping dimensions: (H x W x D): 48 x 21 x 13.5" (1220 x 533 x 343 mm)

Shipping weight: 67.2 lb (30.5 kg)

XW PDP ships with:

Power Distribution Panel enclosure with a field-reversible panel door, pre-wired with:

- ▶ Three 60 A, 120/240 Vac, two-pole, square-D, Type QOU, DIN-rail mounted AC breakers for AC input, bypass, and AC load
- ▶ One GJ250A 160 Vdc, 3/8" stud DC breaker
- ▶ One ground terminal bus bar
- ▶ One neutral terminal bus bar
- ▶ One battery negative terminal bus bar
- ▶ One pair #4/0 AWG Arctic Ultraflex Blue™ Battery Cables (factory installed and labeled, ready to connect)
- ▶ #6 AWG Arctic Ultraflex Blue™ AC wiring (factory installed and labeled, ready to connect)
- ▶ Room to expand - Five additional AC breaker positions for two-pole, 60 A Square D, Type QOU breakers; 10 additional DC breaker positions (eight for charge controller breakers and two for large GJ inverter breakers)
- ▶ Mounting plate
- ▶ XW Conduit box

Xantrex Technology Inc.

Customer Service/Technical Support

customerservice@xantrex.com

Toll free: 1-800-670-0707

www.xantrex.com

**Xantrex™ XW Connection Kit for a second XW Hybrid Inverter/Charger
(Part number: 865-1020)**

The Xantrex™ XW Connection Kit is the extension kit required for connecting a second or third XW Inverter/Charger in the XW Power Distribution Panel. It includes:

- ▶ One XW Conduit Box
- ▶ Three 60 A, 120/240 Vac, two-pole, Square-D, Type QOU, Din-Rail mountable, AC breakers
- ▶ One custom designed bypass interlock plate
- ▶ #6 AWG AC wiring to connect the inverter to the AC breakers
- ▶ Four power distribution bus bars (replaces factory-installed bars)
- ▶ One GJ250A 160 Vdc, 3/8" stud DC breaker
- ▶ One bus bar for DC positive
- ▶ One pair #4/0 AWG battery cables
- ▶ AC Sync and Xanbus™ cables



Product Specifications

Conduit box dimensions: (H x W x D): 8.5 x 16 x 8.25" (229 x 406 x 210 mm)

Shipping dimensions: (H x W x D): 17.5 x 13 x 12" (445 x 330 x 305 mm)

Shipping weight: 23.1 lb (10.5 kg)

Xantrex™ XW Conduit Box (Part number: 865-1025)

The Xantrex™ XW Conduit Box mounts directly to the bottom of an inverter/charger to safely protect end users from inadvertent contact with wiring or connections. It comes bundled with the XW Power Distribution Panel and the XW Connection Kit; however, it is also available separately for systems larger than two inverters, or to retrofit inverters into existing systems that may already have AC/DC disconnects.

The conduit box is easily secured with two screws provided on the bottom of the inverter. The bottom flange of the conduit box can then be attached to the wall. The front panel of the conduit box can be detached by removing the two screws on the front, allowing ample space to make all necessary wire connections.

In multi-unit installations, the sides of adjacent conduit boxes can be removed to create an effective raceway with lots of volume to run AC and DC inverter cabling. The conduit box also includes multiple cable strap points, allowing the final installation to look clean and professional.

In addition, an internal sheet metal barrier is included to keep communications wires separate from AC and DC power wires.



Product Specifications

Conduit box dimensions: (H x W x D): 8.5 x 16 x 8.25" (229 x 406 x 210 mm)

Shipping dimensions: (H x W x D): 17.5 x 13 x 12" (445 x 330 x 305 mm)

Shipping weight: 10.0 lb (4.6 kg)

Specifications subject to change without notice.

For more information on the XW System please visit www.xantrex.com/xw