

The XW Conduit Box comes in two pieces and mounts directly to the bottom of the inverter/charger with keyhole slots and screws. It is secured to the inverter by two #10-32 screws and is secured to the wall by two screws (not provided).

Internal wire barriers (or raceways) are included to keep communications wires separate from AC and DC power wires. The XW Conduit Box also includes multiple cable strap points.

## XW Power Distribution Panel Panel and XW Conduit Box

The XW Power Distribution Panel (FGA: 865-1015) includes a mounting plate and XW Conduit Box. It is factory wired and labelled with everything to support a code-compliant single-inverter installation. It is designed to mount on the right side of the inverter/charger, but it can also be configured to mount on the left side. Internal wiring and breakers can be added to expand the XW Power System with up to three inverters, four charge controllers, or other equipment to support 120/240-volt, 3-wire, single-phase systems.

The XW Power Distribution Panel and XW Conduit Box interface with:

- 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).

Internal wire barriers (or raceways) are included to keep communications wires separate from AC and DC power wires.

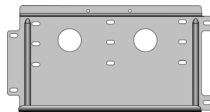
### XW Power Distribution Panel



### XW Power Distribution Panel includes:

- Power Distribution Panel enclosure with a field-reversible panel door
- Mounting Plate
- XW Conduit Box

### Mounting Plate



### XW Conduit Box



The enclosure comes pre-wired with:

- 3x 60A, 120/240 Vac, 2-pole, Square-D, Type QOU, DIN-rail mounted AC breakers (pre-wired to connect to one XW inverter)
- 1x GJ250A 160 Vdc, 3/8" stud DC breaker
- 1x Ground terminal bus bar
- 1x Neutral terminal bus bar
- 1 pair #4/0 AWG Battery Cables

The panel door can be mounted on the right or left side of the **XW Power Distribution Panel**.

AC Knockout slots = 8 (for dual 60A Square D, type QOU breakers)\*

DC Knockout slots = 8 small (for 60A DC breakers) and 3 large (for GJ breakers)

\*AC Breakers cannot exceed 60A.

### XW PDP Dimensions:

30" (761mm) H x 16" (406mm) W x 8 1/4" (210mm) D

Depth from the wall = 8 3/4" (223 mm)

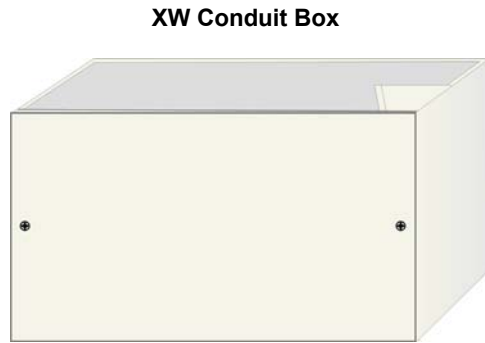
**Figure 1-4** Power Distribution Panel and XW Conduit Box

## XW Connection Kit for INV2

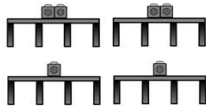
The XW Connection Kit for Inv2 (FGA # 865-1020) is the extension kit required for connecting a second or third XW Inverter/Charger in the same system.

### XW Connection Kit includes:

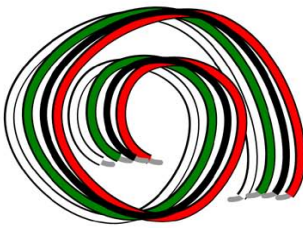
- XW Conduit Box with raceway barriers and cable strap connections points,
- 3x 60 A, 120/240 Vac, 2-pole, Square-D, Type QOU, Din-Rail mountable, AC breakers (includes bypass plate)
- #6 AWG AC wiring to connect the inverter to the AC breakers (includes 4 conduit bushings)
- 4x Power Distribution Bars (replaces factory-installed bars)
- 1x GJ250A 160 Vdc, 3/8" stud DC breaker
- 1x Bus Bar for DC positive
- 1 pair #4/0 AWG battery cables
- AC Sync and Xanbus cables (not shown)



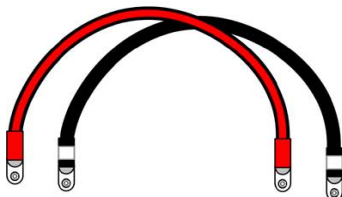
**Power Distribution Bars**



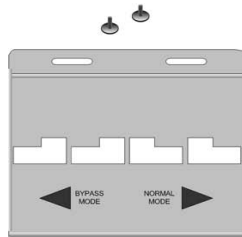
**#6 AWG AC Wiring**



**#4/0 AWG battery cables**



**AC Bypass Plate**



**GJ250A DC breaker**



**60A, 120/240Vac AC Breakers**



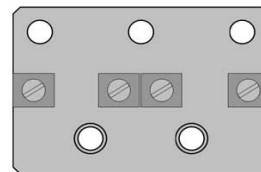
**15/16" bushing for AC sync and Xanbus knockouts**



**1-3/8" bushings for AC Wiring knockouts**



**DC Positive Bus Bar**



**Figure 1-5 XW Connection Kit for INV2**