

# Conext XW+ Power Distribution Panels

## Save time and money installing and integrating XW+ system

Conext™ XW+ Power Distribution Panels (XW+ PDP and Mini PDP) are factory-wired and labeled to support the integration of multiple Conext XW+ inverterchargers and Conext MPPT Solar Charge Controllers with a single battery bank. The XW+ PDP and Mini PDP ships with breakers, bus bars and cables to install a single XW+ inverter/charger. With space to add wiring and breakers, a single XW+ PDP and Mini PDP supports one XW+ inverter/charger, a diesel generator and either a MPPT 80 600 or MPPT 60 150 Solar Charge Controller. The XW+ PDP and Mini PDP supports single-phase, split phase, or three-phase installations. A field-reversible door and multiple conduit knockout entry points allow for the XW+ PDP and Mini PDP enclosure to be mounted and configured on either side of the inverter/charger.

XW+ Power Distribution Panels are designed to save significant time and money during installation, when compared to custom solutions. A mounting bracket and Conext XW+ Conduit Box are also supplied with each XW+ PDP and Mini PDP.



Mini PDP



XW+ Power Distribution Panel



XW+ Installation Kit for INV 2 INV 3 PDP

XW+ Conduit Box

### Why choose a Conext XW+ Power Distribution Panel?



#### Higher return on investment

- Integrate multiple XW+ inverter chargers and MPPT Solar Charge Controllers with a single battery bank
- Repeatable standard installation that saves time and money



#### Flexible

- Single-phase split-phase or three phase systems
- Multiple field configurable conduit entry points on the back, bottom, top and sides
- DIN Rail mounting for QOU type and Multi-9 AC breakers



#### Easy to service

- Breaker configuration allows XW+ inverterchargers to be AC bypassed for servicing
- Field-reversible door panel allows for visual inspection



#### Easy to install

- Wall mount with included bracket
- Add additional XW+ inverter chargers with Conext XW+ connection kit

Device short name	XW+ Mini PDP
Product dimensions (H x W x D)	47.0 x 40.6 x 22.5 cm (18.5 x 16 x 8.9 in) *24.9" door swing clearance, measured from back of unit.
Shipping dimensions (H x W x D)	53.5 x 56.5 x 33 cm (21.0 x 28.6 x 13.0 in)
Shipping weight	13kg 28.2lb
Product number	865-1013-01
<b>Included</b>	<p>XW+ Mini-PDP enclosure with a field-reversible panel door and integrated wall mounting bracket</p> <p>Three 60 A, 120/240 Vac, two-pole, Square-D QOU260, DIN-rail mounted AC breakers for AC input, bypass and AC load (factory-installed), plus one additional expansion position for two pole AC breaker, type QOU260. Mini-PDP AC Cabling is pre-wired/pre-measured for easy installation to XW+ unit.</p> <p>One GJ 250A 160 Vdc DC breaker installed</p> <p>Two expansion positions for charge controller DC breakers (PV array or battery)</p> <p>Termination lugs for ground, common and battery connections</p> <p>Integrated DC busbars for direct connection to XW+ DC terminals.</p> <p>3/8" hardware for connection of DC cables to busbars</p> <p>Cable ties for cable management</p> <p>Quick start guide</p> <p>Additional Breaker labels</p> <p>Plastic knockout bushings for connection between Mini-iPDP and XW/XW+ unit.</p> <p>Document holder</p> <p>Sized for easy cable installation and management</p>

<b>Device short name</b>	<b>XW+ Power Distribution Panel</b>
Product dimensions (H x W x D)	76.1 x 40.6 x 21.0 cm (30.0 x 16.0 x 8.3 in)
Shipping dimensions (H x W x D)	122.0 x 53.3 x 34.3 cm (48.0 x 21.0 x 13.5 in)
Shipping weight	30.5 kg (67.2 lb)
Product number	865-1015-01
<b>Included</b>	XW+ PDP enclosure with a field-reversible panel door, includes wall mount bracket, and XW+ Conduit Box Three 60 A, 120/240 Vac, two-pole, Square-D, type QOU, DIN-rail mounted AC breakers for AC input, bypass and AC load (factory-installed), plus five AC breaker expansion positions One GJ 250A 160 Vdc, 3/8" stud DC breaker installed, plus two expansion positions Eight expansion positions for charge controller DC breakers (Note: XW supports up to 4 MPPT 80 600 or 4 MPPT 60 150 charge controllers) One ground terminal bus bar, one neutral terminal bus bar and 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)
<b>Device short name</b>	<b>XW+ Power Distribution Panel (without AC breakers)</b>
Product number	865-1014-01
<b>Included</b>	Same as XW+ PDP (865-1015-01), but does not include any AC breakers
<b>Device short name</b>	<b>XW+ Installation Kit for INV 2 INV 3 PDP</b>
Product dimensions (H x W x D)	22.9 x 40.6 x 21.0 cm (8.5 x 16.0 x 8.3 in)
Shipping dimensions (H x W x D)	44.5 x 33.3 x 30.5 cm (17.5 x 13.0 x 12.0 in)
Shipping weight	10.5 kg (23.1 lb)
Product number	865-1020-01
<b>Included</b>	XW+ Conduit Box and AC Sync and Xanbus™ cables #6 AWG AC wiring to connect the inverter to the AC breakers One GJ 250A 160 Vdc, 3/8" stud DC breaker, one bus bar for DC positive and one pair #4/0 AWG battery cables
<b>Device short name</b>	<b>XW+ Conduit Box</b>
Product dimensions (H x W x D)	22.9 x 40.6 x 21.0 cm (8.5 x 16.0 x 8.3 in)
Shipping dimensions (H x W x D)	44.5 x 33.0 x 30.5 cm (17.5 x 13.0 x 12.0 in)
Shipping weight	4.6 kg (10.0 lb)
Product number	865-1025-01
<b>Included</b>	XW+ Conduit Box
<b>Device short name</b>	<b>Conext 120/240VAC Breaker Kit for Conext XW+ PDP</b>
Usage	XW+ PDP for additional XW+ inverter chargers, single-phase/spit-phase
Product number	865-1215-01
<b>Included</b>	Three 60 A, 120/240 Vac, two-pole, Square-D, type QOU, DIN-rail mountable AC breakers, jumpers, bypass interlock
<b>Device short name</b>	<b>Conext three-phase Breaker Kit for Conext XW+ PDP</b>
Usage	XW+ PDP for additional XW+ inverter chargers, three-phase
Product number	865-1315-01
<b>Included</b>	Three 60 A, 120/208 Vac, three-pole, Square-D, type QOU, DIN-rail mountable AC breakers, jumpers, bypass interlock
<b>Device short name</b>	<b>100A, 125VDC Breaker Master Pack (12 units)</b>
Usage	XW+ PDP for MPPT 80 600 output, battery side
Product number	865-1080
<b>Device short name</b>	<b>80A, 125VDC Breaker Master Pack (12 units)</b>
Usage	XW+ PDP for MPPT 60 150 output, battery side
Product number	865-1070
<b>Device short name</b>	<b>60A, 160VDC Breaker Master Pack (48 units)</b>
Usage	XW+ PDP for MPPT 60 150 input, PV array side
Product number	865-1075
<b>Device short name</b>	<b>250A, 160VDC Breaker Master Pack (6 units)</b>
Usage	XW+ PDP for inverter charger connection to battery
Product number	865-1065
<b>Compatible products</b>	
Conext XW+ (230 V)	XW 7048 E product no. 865-7048-61 XW 8548 E product no. 865-8548-61
Conext XW+ (120/240 V)	XW 5548 NA product no. 865-5548-01 XW 6848 NA product no. 865-6848-01
Conext MPPT 60 150	Product no. 865-1030-1
Conext MPPT 80 600	Product no. 865-1032
Conext Portable Installation and Configuration Tool	Product no. 865-1155-01

Specifications are subject to change without notice.