

# CXPS-HX

## 2500A-5000A Power System

ORDERING GUIDE



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# CXPS-HX Ordering Guide

- The CXPS-HX is a high capacity power system designed for a modular centralized type of application
- The system can be installed close to the equipment at the end of a line up, using high capacity circuits (TPL fuses or HC Breakers) to feed remote distribution panels mounted at the equipment bay
- It can be equipped with smaller 214 style breakers or TPS/TLS fuses that directly feed the equipment
- The system can also be placed in the power room in a ‘Centralized’ architecture to feed remote BDFBs
- A focus on total system efficiency; HP Cordex 4kW or 12kW rectifiers, oversize buswork and 25mV current shunts are used in the design to maximize operating efficiency and reduce OPEX costs

The CXPS-HX System provides high capacity DC power for large communication network applications. This system combines the capabilities of tiered distribution, advanced microprocessor based supervision, and modular rectifiers in a single integrated bay. Two bays can easily be linked together and share a central controller to double the system capacity.

The Cordex Distributed Power System is cost effective due to the internal copper buswork, and is delivered ready to assemble with factory tested components. No overhead bus work is required. An optional external return bus is available. Cable access is from the top and load connections are terminated from the side or rear of the bay. Hot swappable Cordex power modules provide safe and easy installation and maintenance.

## Ordering Equipment

PART NUMBER	SYSTEM DESCRIPTION
0913048-001	CXPS-HX, 10 Feed, 208VAC 3Ph, -48V, 2500A, 5x 4.0kW Rectifier Shelf, 3x TPL Distribution Panels
0913049-001	CXPS-HX, 10 Feed, 277/480VAC 3Ph, -48V, 2500A, 5x 4.0kW Rectifier Shelf, 3x TPL Distribution Panels
0913059-001	CXPS-HX, 10 Feed 208VAC 3Ph, -48V, 2500A, 5x 4.0kW Rectifier Shelf, 2x TPL Distribution Panels
0913060-001	CXPS-HX, 10 Feed 277/480VAC 3Ph, -48V, 2500A, 5x 4.0kW Rectifier Shelf, 2x TPL Distribution Panels
0913084-001	CXPS-HX, 5 Feed 208VAC 3Ph, -48V, 2500A, 5x 4.0kW Rectifier Shelf, 2x TPL Distribution Panels
0913039-001	CXPS-HX, 10 Feed 208VAC 3Ph, -48V, 2500A, 5x 4.0kW Rectifier Shelf, 1x TPL Distribution Panel and 4x 23 position Circuit Breaker Panels
0913088-001	CXPS-HX, 10 Feed, 480VAC 3Ph, -48V, 2500A, 5x 12.0kW Rectifier Shelf, 3x TPL Distribution Panels
0913089-001	CXPS-HX, 10 Feed, 480VAC 3Ph, -48V, 2500A, 5x 12.0kW Rectifier Shelf, 2x TPL Distribution Panels
0913090-001	CXPS-HX, 5 Feed, 480VAC 3Ph, -48V, 2500A, 5x 12.0kW Rectifier Shelf, 2x TPL Distribution Panels



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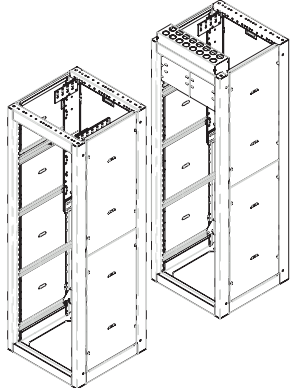


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# How to configure a custom CXPS-HX System

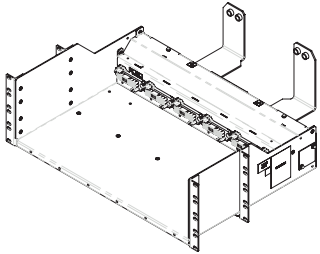
## Step 1: Choose Bay Configuration (Integrated in System)

PART NUMBER	BASE SYSTEM AC OPTION
0250014-701	Bay, No Top AC Termination Panel Option
0250014-703	Bay, Top AC Termination, 208VAC or 480VAC, 5 Feed, 3 Phase 3 Wire (for 2500A System)
0250014-705	Bay, Top AC Termination, 208VAC or 480VAC, 10 Feed, 3 Phase 3 Wire (for 2500A System)
0250014-707	Bay, Top AC Termination, 277/480VAC, 5 Feed, 3 Phase 4 Wire (for 2500A System)
0250014-709	Bay, Top AC Termination, 277/480VAC, 10 Feed, 3 Phase 4 Wire (for 2500A System)



## Step 2A: Choose Rectifier Shelf Option (Integrated in System)

PART NUMBER	RECTIFIER SHELVES
0250014-790 (0250014-590)	23", 6 module, 208-277 VAC (Single Phase), 4.0kW Rectifier Shelf (23", 6 module, 208-277 VAC (Single Phase), 4.0kW Rectifier Shelf, Field Service Kit)
0250014-791 (0250014-591)	23", 6 module, 277/480 VAC (3 Phase, 4 Wire), 4.0kW Rectifier Shelf (23", 6 module, 277/480 VAC (3 Phase, 4 Wire), 4.0kW Rectifier Shelf, Field Service Kit)
0250014-792 (0250014-592)	23", 6 module, 208 VAC (3 Phase, 3 Wire), 4.0kW Rectifier Shelf (23", 6 module, 208 VAC (3 Phase, 3 Wire), 4.0kW Rectifier Shelf, Field Service Kit)
0250014-793 (0250014-593)	23", 2 module, 480 VAC (3 Phase, 3 Wire), 12.0kW Rectifier Shelf (23", 2 module, 480 VAC (3 Phase, 3 Wire), 12.0kW Rectifier Shelf, Field Service Kit)



## Step 2B: AC Input Breaker Label (Integrated in System)

PART NUMBER	LABEL OPTION	USE WITH LIST OPTION COMBINATION
9500832-001	100A, 3 Pole, AC Breaker	-703, -792
9500833-001	30A, 2 Pole, AC Breaker	-701, -790
9500834-001	30A, 3 Pole, AC Breaker	-705 -793 or -709, -791 or -704, -793 or -708, -791 or 701, 791
9500835-001	50A, 3 Pole, AC Breaker	-705, -792 or -707, -791 or 701, 792 or 703, 793

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### Step 3: Choose Controller Option (Integrated in System)

PART NUMBER	CXC HP CONTROLLER OPTION	
0250014-751 (0250014-551)	CXC HP Controller Option (1x L-ADIO, 1x 6I Shunt Monitor) (CXC HP Controller, Field Service Kit)	
0250014-754 (0250014-554)	CXC HP Controller Option (2x L-ADIO) (CXC HP Controller, Field Service Kit)	
0250014-752	No Controller Option (3RU blanking plate)	
0250014-753 0250014-756 0250015-755	CXC HP Controller (1x L-ADIO and Shelf ID feature (12kW shelves) 5x 12kW shelf ID kit (5 shelves) 4x 12kW label kit (4 shelves)	

### Step 4: Choose Distribution Panel Option (Integrated in System)

PART NUMBER	DISTRIBUTION PANELS	
0250002-705	23", 2000A, 4 Position TPL Fuse Panel	
0250002-706	23", 2000A, 4 Pole TPL Fuse Panel e/w 2000A LVD	
0250002-707	23", 2000A, 12x 1 Pole High Capacity Breaker Panel	
0250002-708	23", 2000A, 12x 1 Pole High Capacity Breaker Panel with 2000A LVD	
0250002-709	23", 2000A, 6x 2 Pole High Capacity Breaker Panel	
0250002-710	23", 2000A, 6x 2 Pole High Capacity Breaker Panel with 2000A LVD	
0250002-711	23", 2000A, 4x 3 Pole High Capacity Breaker Panel	
0250002-712	23", 2000A, 4x 3 Pole High Capacity Breaker Panel with 2000A LVD	
0250002-713	23", 2000A, 3x 4 Pole High Capacity Breaker Panel	
0250002-714	23", 2000A, 3x 4 Pole High Capacity Breaker Panel with 2000A LVD	
0250002-715	23", 2000A, 2x 5 Pole High Capacity Breaker Panel	
0250002-716	23", 2000A, 2x 5 Pole High Capacity Breaker Panel with 2000A LVD	
0250002-717	23", 2000A, 2x 6 Pole High Capacity Breaker Panel	
0250002-718	23", 2000A, 2x 6 Pole High Capacity Breaker Panel with 2000A LVD	
0250002-719	23", 2000A, 4x 2 Pole & 4x 1 Position High Capacity Breaker Panel	
0250002-720	23", 2000A, 4x 2 Pole & 4x 1 Position High Capacity Breaker Panel with 2000A LVD	
0250002-721	23", 600A, 18 Position Bullet Breaker Panel	
0250002-722	23", 600A, 18 Position Bullet Breaker Panel with 600A LVD	
0250002-723	23", 600A, 18 Position Bullet Breaker, Internal Return Panel	
0250014-777	23", 600A, 23 Position Bullet Breaker Panel	

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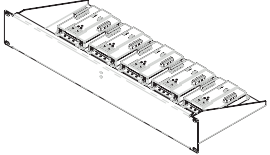
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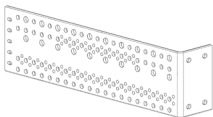
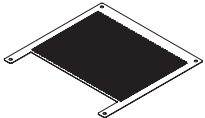
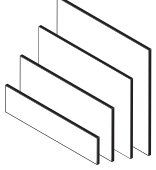
### Step 5: Choose Controller Peripheral Option (Integrated in System)

PART NUMBER	SHUNT MONITORING	
0250014-762	23", 18X Current Input, Shunt Monitoring Shelf	
0250014-763	23", 30X Current Input, Shunt Monitoring Shelf	

### Step 6: Choose LVD Override Assembly (Integrated in System)

PART NUMBER	LVD CONTROL	
0250002-726	LVD Override Interface Panel	

### Step 7: Pick System Integration Items (Integrated in System)

PART NUMBER	ACCESSORIES	
0250014-771 (0250014-571)	Internal Return Bar kit (Internal Return Bar kit, Field Service Kit)	
0250014-775 (0250014-575)	Top Insulation Cover Kit (Top Insulation Cover Kit, Field Service Kit)	
0250014-780	1RU, Blank Panel	
0250014-781	23", 2RU, Blank Panel	
0250014-782	23", 3RU, Blank Panel	
0250014-783	23", 4RU, Blank Panel	

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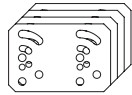
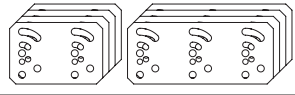
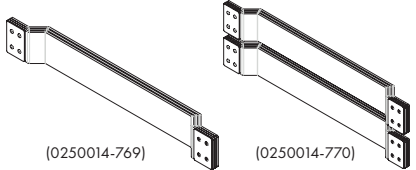
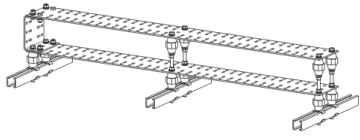
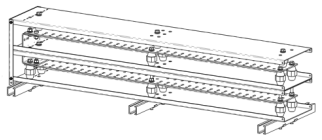


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### Step 8: Choose Temperature Probes (Integrated in System)

PART NUMBER	TEMPERATURE PROBES
747-028-20-072	12ft Temperature Sensor cable assembly with ¼" lugs
747-082-20-072	12ft Temperature Sensor cable assembly with ⅜" lugs
747-082-20-073	24ft Temperature Sensor cable assembly with ⅜" lugs
747-082-20-080	50ft Temperature Sensor cable assembly with ⅜" lugs

### Pick Accessories as Required (Shipped Loose)

PART NUMBER	ACCESSORIES	
747-028-20-073	24ft Temperature Sensor cable assembly with ¼" lugs	
747-028-20-080	50ft Temperature Sensor cable assembly with ¼" lugs	
747-028-20-081	100ft Temperature Sensor cable assembly with ¼" lugs	
747-082-20-081	100ft Temperature Sensor cable assembly with ⅜" lugs	
0380119-003	Cable Management Busbar Extender Kit (1 Hole Set)	
0380119-004	Cable Management Busbar Extender Kit (2 Hole Set)	
0250014-769	CXPS-HX, 2500A, Interbay Hot Busbar Link Kit	 (0250014-769)      (0250014-770)
0250014-770	CXPS-HX, 2500A, Interbay Hot Busbar Link Kit	
0380213-001	5000A, Remote Hot Bar Kit, Base	
0380213-002	5000A, Remote Hot Bar Kit, Adder	
0380214-001	2500A, Remote Return Bar Kit, Base	
0380214-002	2500A, Remote Return Bar Kit, Adder	
0380213-003	Remote Bar Insulating Cover Kit, Base	
0380213-004	Remote Bar Insulating Cover Kit, Adder	
0250014-560	CXC HP-L ADIO Peripheral Field Service Kit (Spare Part)	
0250014-561	CXC HP-6I (6X Shunt mux) Peripheral Field Service Kit (Spare Part)	

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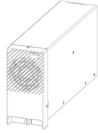
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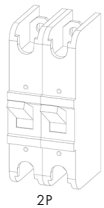

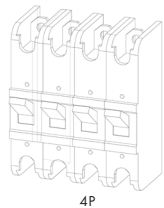
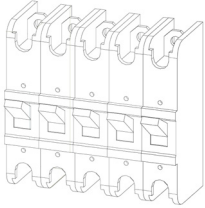
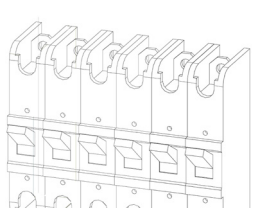


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### Step 9: Choose Rectifiers (Shipped Loose)

PART NUMBER	RECTIFIERS	
0100020-001	48V, 12kW Rectifier	
5900550-002	12.0kW Rectifier Blank	
010-623-20-040	48V, 4.0kW Rectifier	
7400116-001	4.0kW Rectifier Blank	

### Pick Breaker Kits and Accessories (Shipped loose)

PART NUMBER	BREAKER KITS AND ACCESSORIES	
0250002-727	HC Breaker, Blank Plate	     
0250002-727	HC Breaker, 1P, 100A	
0250002-727	HC Breaker, 1P, 125A	
0250002-727	HC Breaker, 1P, 150A	
0250002-727	HC Breaker, 1P, 175A	
0250002-727	HC Breaker, 1P, 200A	
0250002-727	HC Breaker, 1P, 225A	
0250002-727	HC Breaker, 1P, 250A	
0250002-727	HC Breaker, 2P, 300A	
0250002-727	HC Breaker, 2P, 400A	
0250002-727	HC Breaker, 3P, 500A	
0250002-727	HC Breaker, 3P, 600A	
0250002-727	HC Breaker, 3P, 700A	
0250002-727	HC Breaker, 4P, 800A	
0250002-727	HC Breaker, 5P, 1000A	
0250002-727	HC Breaker, 6P, 1200A	
0380119-001	Busbar Extender Kit, GJ/TPL, 4 lug adapter	

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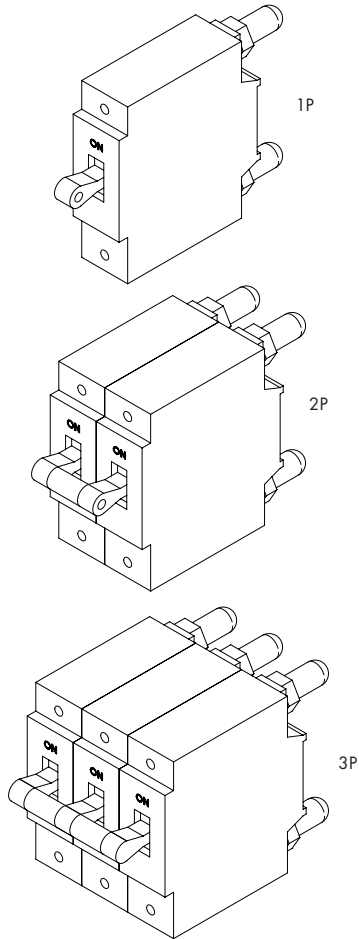
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## Choose Load Breakers (Shipped Loose)

PART NUMBER	LOAD BREAKERS
470-300-10	CB, 1P, 1A, 80VDC, 5/16" Bullet, Mid-trip
470-301-10	CB, 1P, 3A, 80VDC, 5/16" Bullet, Mid-trip
470-302-10	CB, 1P, 5A, 80VDC, 5/16" Bullet, Mid-trip
470-303-10	CB, 1P, 10A, 80VDC, 5/16" Bullet, Mid-trip
470-304-10	CB, 1P, 15A, 80VDC, 5/16" Bullet, Mid-trip
470-305-10	CB, 1P, 20A, 80VDC, 5/16" Bullet, Mid-trip
470-306-10	CB, 1P, 25A, 80VDC, 5/16" Bullet, Mid-trip
470-307-10	CB, 1P, 30A, 80VDC, 5/16" Bullet, Mid-trip
470-308-10	CB, 1P, 35A, 80VDC, 5/16" Bullet, Mid-trip
470-309-10	CB, 1P, 40A, 80VDC, 5/16" Bullet, Mid-trip
470-310-10	CB, 1P, 45A, 80VDC, 5/16" Bullet, Mid-trip
470-311-10	CB, 1P, 50A, 80VDC, 5/16" Bullet, Mid-trip
470-312-10	CB, 1P, 60A, 80VDC, 5/16" Bullet, Mid-trip
470-313-10	CB, 1P, 70A, 80VDC, 5/16" Bullet, Mid-trip
470-314-10	CB, 1P, 80A, 80VDC, 5/16" Bullet, Mid-trip
470-315-10	CB, 1P, 90A, 80VDC, 5/16" Bullet, Mid-trip
470-316-10	CB, 1P, 100A, 80VDC, 5/16" Bullet, Mid-trip
470-317-10*	CB, 2P, 110A, 80VDC, 5/16" Bullet, Mid-trip
470-318-10*	CB, 2P, 125A, 80VDC, 5/16" Bullet, Mid-trip
470-319-10*	CB, 2P, 150A, 80VDC, 5/16" Bullet, Mid-trip
4700234*	CB, 2P, 175A, 80VDC, 5/16" Bullet, Mid-trip
4700154*	CB, 2P, 200A, 80VDC, 5/16" Bullet, Mid-trip
470-357-10**	CB, 3P, 225A, 80VDC, 5/16" Bullet, Mid-trip
470-342-10**	CB, 3P, 250A, 80VDC, 5/16" Bullet, Mid-trip
4700149**	CB, 3P, 300A, 80VDC, 5/16" Bullet, Mid-trip



\*0370288-001-CXPS-HX, 2 Pole Breaker Adaptor Kit required  
 \*\*0370289-001-CXPS-HX, 3 Pole Breaker Adaptor Kit required

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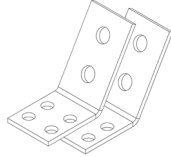
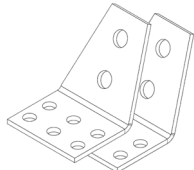
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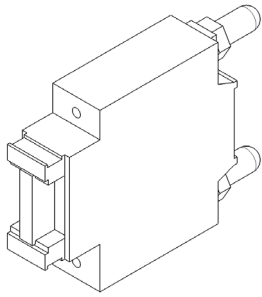


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### Pick Breaker Adaptor Kit (Shipped Loose)

PART NUMBER	BREAKER ADAPTOR KIT	
0370288-001	CXPS-HX, 2 Pole Breaker Adaptor Kit	
0370289-001	CXPS-HX, 3 Pole Breaker Adaptor Kit	

### Choose TPS Fuses (Shipped Loose)

PART NUMBER	TPS FUSES	
460-217-10	TPS/TLS Fuse, 5A, 170VDC	
460-218-10	TPS/TLS Fuse, 6A, 170VDC	
460-219-10	TPS/TLS Fuse, 10A, 170VDC	
460-220-10	TPS/TLS Fuse, 15A, 170VDC	
460-221-10	TPS/TLS Fuse, 20A, 170VDC	
460-222-10	TPS/TLS Fuse, 25A, 170VDC	
460-223-10	TPS/TLS Fuse, 30A, 170VDC	
460-224-10	TPS/TLS Fuse, 40A, 170VDC	
460-225-10	TPS/TLS Fuse, 50A, 170VDC	
460-226-10	TPS/TLS Fuse, 60A, 170VDC	
460-227-10	TPS/TLS Fuse, 70A, 170VDC	
460-229-10	TPS/TLS Fuse, 90A, 170VDC	
460-230-10	TPS/TLS Fuse, 100A, 170VDC	
4600056	TPS/TLS Fuse, 110A, 170VDC	
4600057	TPS/TLS Fuse, 125A, 170VDC	
520-059-10	TFD Fuse Holder	

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### Choose TPL Fuses (Shipped Loose)

PART NUMBER	TPL FUSES
460-140-10*	TPL Fuse, 100A, 170VDC
460-141-10*	TPL Fuse, 150A, 170VDC
460-142-10*	TPL Fuse, 200A, 170VDC
460-139-10*	TPL Fuse, 250A, 170VDC
460-144-10	TPL Fuse, 300A, 170VDC
460-145-10	TPL Fuse, 400A, 170VDC
460-146-10	TPL Fuse, 500A, 170VDC
460-147-10	TPL Fuse, 600A, 170VDC
460-148-10	TPL Fuse, 800A, 170VDC
5200011	TPL Fuse holder for fuses 250A and below



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