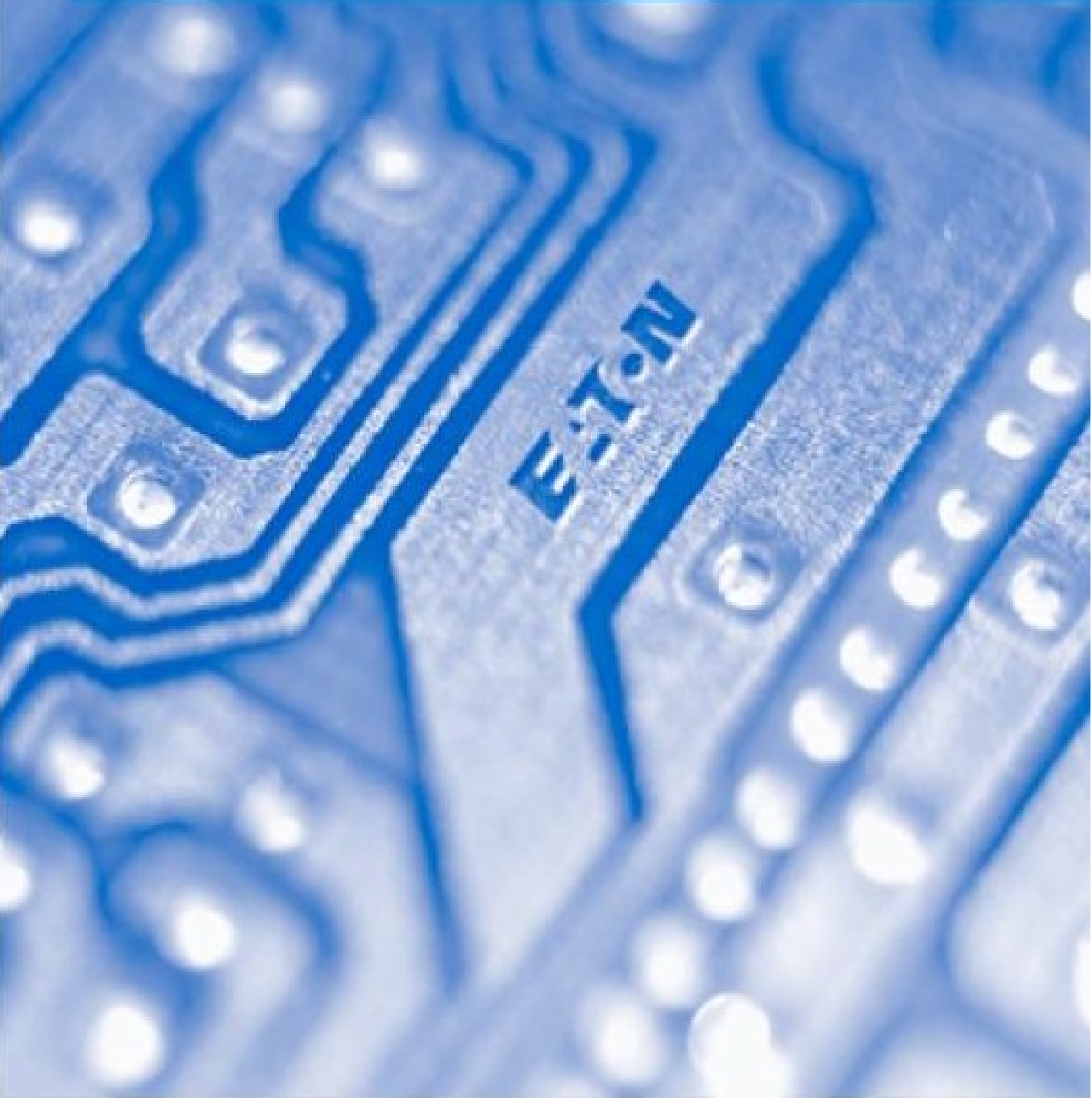


CTO Configuration Guide



Eaton[®] 9170+ UPS



Powering Business Worldwide

9170PCG
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PW9170+ CTO Configuration Guide

Configuring Your PW9170+ UPS

PW9170+ chassis's must be ordered using a Configure To Order (CTO) Number that reflects the cabinet style, isolation requirements, input/output configurations, and branding options for standard and OEM applications. As you select the options needed, they will become part of the CTO number.

Sample CTO Number: 0660C060AAAAAAAI.

Power modules, battery packs, external battery cabinets, bypass switches and other external options will need to be ordered as separate line items.

Base Unit		
Base Model – (digits 1- 4)	CTO Order	
PW9170+	0660	

Cabinet Style		
Cabinet size – (digits 5 - 7)	CTO Order	
3-slot cabinet	C03	
6-slot cabinet	C06	
9-slot cabinet	C09	
12-slot cabinet	C12	

9-Slot & 12-Slot Rack-mount Option ¹		
Digit 8	CTO Order	
3-Slot, 6-Slot, 9-Slot & 12-Slot Tower	0	
3-Slot & 6-Slot Rack Mount ¹	0	
9-Slot Rack Mount ²	2	
12-Slot Rack Mount ²	2	

¹ To Rack-mount a 3-slot or 6-slot cabinet, rack-mount kit ASY-0547 is required and must be ordered separately.

ASY-0547 allows 3 or 6 slot cabinet to be rack-mounted to vertical rails of enclosure. To have 3 or 6 slot cabinet sit on horizontal rails, rail kit 103007312 must be ordered separately in addition to ASY-0547.

² By default, rail kit 103007312 is included in 9 & 12 slot rack mount CTO configurations..

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Input Line Cords			
Power Module Selection	Line Cord Selection: Digit 9	CTO Order Code	
Any	None - Hardwired	A	
Split Phase Module	6' L14-20P ¹	F	
Split Phase Module	6' L14-30P ²	G	
Split Phase Module	6' 14-50P ³	H	

¹ Limits chassis to maximum current of 16A and two power modules for 3kVA redundant.

² Limits chassis to maximum current of 24A and three power modules for 5kVA redundant.

³ Limits chassis to maximum current of 40A and four power modules for 8kVA redundant.

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Output Connections

Output connection configuration is designated by 6 digits within the unit CTO number. These six digits allow selection of the type and quantity for up to a maximum of three different types of receptacles.

- Three slot chassis maximum 4 bays
- Six & nine slot chassis maximum 8 bays
- Twelve slot chassis maximum 12 bays
- If multiple quantities of one type of receptacle are desired, enter the type once with the total quantity (ex: CE not BEBE).
- Always enter the receptacle types alphabetically (ex: BEBG not BGBE).
- If hardwire output is desired, select type "A", quantity "A", for all three receptacle types (ex: AAAAAA).
- If fewer than three types of receptacle are selected, complete the remaining receptacle digits with AA (ex: BECGAA).

Output Connection: Digits 10-15	Power Module Type	Number of Bays	CTO Order Code	
			Qty ¹	Type
None	All	None	A	A
5-20 duplex ²	Split Phase	1	___	E
6-20 duplex	All	1	___	G
L5-20 twist lock ²	Split Phase	1	___	K
L5-30 twist lock	Split Phase	1	___	L
L6-15 twist lock duplex	All	1	___	M
L6-20 twist lock	All	1	___	N
L6-30 twist lock	All	1	___	O
L14-30 twist lock	Split Phase	1	___	R
3 x 5-20 duplex	Split Phase	2	___	X
Complete Output Connection CTO Order Code			___	___

¹ A=0 B=1 C=2 D=3 E=4 F=5 G=6 H=7 I=8 J=9 K=10 L=11 M=12

² 5-20 and L5-20 can only be ordered in even quantities

Chassis Color

Chassis Color: Digit 16	CTO Order Code
Eaton standard Black	I

Non CTO Options

Power modules, battery packs, external battery cabinets, bypass switches and other external options are not a part of the CTO number and will need to be ordered as separate line items.

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Power Modules			
Type	Description	Order Number	
Split Phase	3kVA / 2.5kW (100/200, 120/208, 127/220, 110/220, 120/240 V In & Out)	ASY-0673	
Universal	3kVA / 2.1kW (208 – 240 V In & Out)	ASY-0674	

¹ Universal Power modules only to be used on single phase (L1-N) 200,220,230,240 voltage configurations.

Batteries & Battery Accessories		
Option	Order Number	
Battery Module (two required per string)	ASY-0529	
20 Amp Optional Charger Module ¹	ASY-0675	
6-slot external battery enclosure - black ²	ASY-0612	
9-slot external battery enclosure - black ²	ASY-0737	
12-slot external battery enclosure - black ²	ASY-0738	
12-slot external battery enclosure - black (w/AC input for optional charger) ²	ASY-0739	
12-slot rack external battery enclosure ^{2,3} - black	103004136	
12-slot rack external battery enclosure (w/AC input for optional charger) ^{2,3} - black	103004137	
External Battery Connector	ASY-0525	

¹ Same form factor as power module and consumes 3kVA power

² External battery connector, ASY-0525, is required for each cabinet

³ By default, rail kit 103007312 is included in 12 slot rack mount battery enclosures

External Maintenance Bypass Switches			
Chassis Description	Switch Type	Order Number	
3 & 6-Slot	MBB (Make Before Break)	BPE14MBB1A	
9 & 12-Slot	MBB (Make Before Break)	BPE20MBB1A	
	BBM (Break Before Make)	BPE20BBM1A	

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Other External Options

Option	Order Number	
Rack-mount Kit (3 & 6-slot enclosures only) ¹	ASY-0547	
Rail Kit (3 & 6 slot / included in 9 & 12 slot) ^{1, 2}	103007312	
Caster kit (3 & 6-slot enclosures only)	ASY-0527	
Floor anchoring kit	ASY-0548	

¹ To Rack-mount a 3-slot or 6-slot cabinet, rack-mount kit ASY-0547 is required and must be ordered separately. ASY-0547 allows 3 or 6 slot cabinet to be rack-mounted to vertical rails of enclosure. To have 3 or 6 slot cabinet sit on horizontal rails, rail kit 103007312 must be ordered separately in addition to ASY-0547.

² By default, rail kit 103007312 is included in 9 & 12 slot rack mount CTO configurations.

Communication Options

Option	Order Number	
ConnectUPS BD – Network Card	116750222-001	
Relay Card	1014018	
Expansion Chassis (with Modbus Card & two X-slots)	05147063	
Environmental Monitor ¹	116750224-001	

¹ Environmental Monitor option requires SNMP/WEB Internal Ethernet SNMP/HTTP Adapter option.

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The Chassis CTO Worksheet

	UPS CTO Order Code	Extended List Price	Discount	Net Price
PW9170+ Base	0660			
Number of slots				
Rack-mount (9 & 12-slot Only)				
Input Line Cords				
Output Connections				
Chassis Color				
Complete UPS CTO Number	0660 C			
Chassis Subtotal				

Other Components

	Part #	Qty		
Power Modules	ASY-0673 or ASY-0674			
Battery Modules (2 per string required)	ASY-0529			
20 Amp Charger Module	ASY-0675			
External DC Battery Connection	ASY-0525			

External Battery Cabinet

Battery Cabinet Selected:			
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External Maintenance Bypass Switch

External Maintenance Bypass Switch Selected:			
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Other Options

Rack Mount Kit (3 & 6-slot chassis only)	ASY-0528			
Rail Kit (3 & 6 slot rack mount / included with 9 & 12 slot)	103007312			
Caster Kit (3 & 6-slot chassis only)	ASY-0527			
Floor Anchoring Kit	ASY-0548			

Sub Total

	Freight
	Insurance
	Tax/Duty
	Quote Total

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Finland: 358.94.52.661
France: 33.1.6012.7400
Germany: 49.7841.666.0
Italy: 39.02.66.04.05.40
Norway: 47.23.03.65.50
Sweden: 46.8.598.940.00
United Kingdom: 44.1753.608.700

ASIA PACIFIC
Australia/NZ: 61.2.9878.5000
China: 86.21.6361.5599
HK/Korea/Taiwan: 852.2745.6682
India: 91.11.2649.9414 to 18
Singapore/SEA: 65.6829.8888

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