

X - SWITCH

EXTERNAL MAINTENANCE BYPASS SYSTEM
by **TECH/CONNECT**

www.upsbypass.com

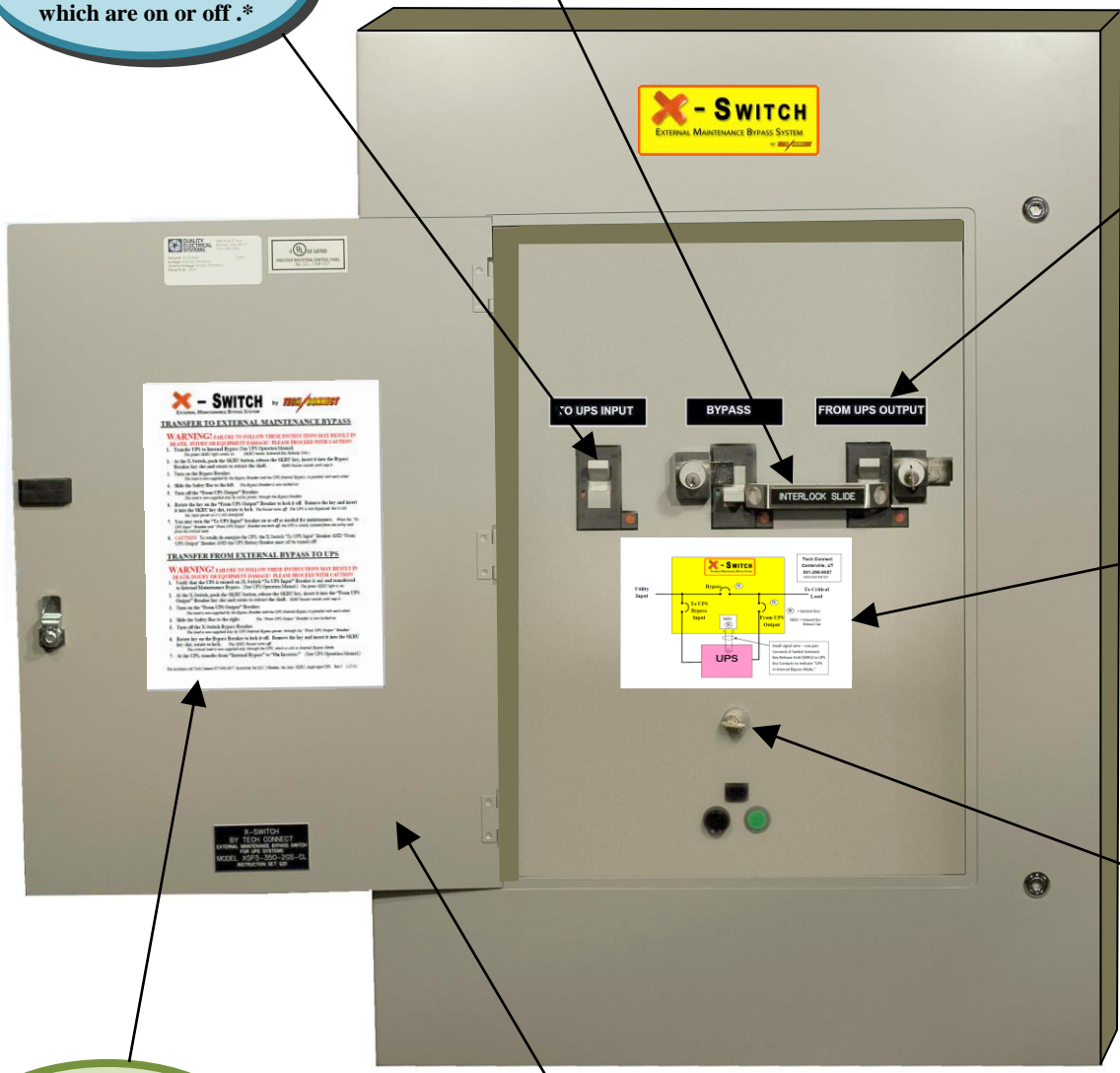
The Safest,
Most Secure
UPS Bypass Switch
Easy to Understand
Easy to Use

New Option 2014: Guiding Lights.
Bright LED's above and below the
breakers show you which breaker
to switch next. Very simple!

Breakers are all
mounted vertically,
so you know intuitively
which are on or off.*

Heavy Duty Safety Bar – You can't switch
out of order, and you can't drop the load.*

The labels are easy to
understand, such as
"From UPS Output"
instead of "MIS."



Simple One Line
Diagram makes it
easier to understand.

Interlock Keys and
SKRU actually
work right. Most
others let you drop
the critical load!

The instructions are
correct and specific,
not generic for all
models!

The breakers are
behind a closed door –
much better security!

X-Switch is the best! It takes
the panic out of bypassing your
UPS system. It's safer,
friendlier, and more fool-proof
than any other bypass switch.

* The Premium X-Switch is shown. The Economy X-Switch includes the same features, except those marked with *.

Premium X-Switch Options and Configurations

Standard Features

Wall Mount, Rack Mount, or Floor Standing Cabinet
 GE Breakers, electronic trip (Cutler Hammer in Economy Model)
 Internal Neutral & Ground Bus
 Permanent Instruction Set
 Permanently attached one-line diagram
 UL Listed

Options - Call us for any Custom Requirements

Kirk Keys, Safety Bar
 SKRU Solenoid Key Release Unit
 Guiding Lights show which breaker to switch next
 TVSS, Heavy Duty, built-in Floor Standing Cabinet
 Internal Transformer
 Rotary X-Switch – even simpler!

Sub Panel Distribution Breakers
 Lockable Door
 4th Breaker for Load Bank
 4th Breaker for Dual Input UPS
 Custom Volts, Amps, kAIC ratings
 Any other amp ratings
 Economy X-Switch – similar features, lower cost.

Premium Model # # = # Breakers: 2,3 or 4 V: 2 = 208 V.; 4 = 480 V. Safeties: X=none, K=Keys, S=SKRU+Keys, B=Slide Bar, C=Complete K+S+B	Standard Model Dimensions in inches W x H x D	X-Switch Rated Amps	208/120 VAC 3 Phase		480 VAC 3 Phase	
			Maximum UPS kVA with Diagrams 1&2 See Note* for 3&4	kAIC Rating (higher ratings optional)	Maximum UPS kVA with Diagrams 1&2 See Note* for 3&4	kAIC Rating (higher ratings optional)
XSP#-30-VGS-C	22 x 33 x 12	30	8.5	18	20	18
XSP#-50-VGS-C		50	14	18	33	18
XSP#-70-VGS-C		70	20	18	47	18
XSP#-100-VGS-C	24 x 36 x 13	100	29	18	67	18
XSP#-150-VGS-C		150	43	65	100	35
XSP#-200-VGS-C		200	58	65	133	35
XSP#-250-VGS-C	30 x 43 x 13	250	72	65	167	35
XSP#-300-VGS-C		300	86	65	200	35
XSP#-400-VGS-C		400	115	65	267	35
XSP#-600-VGS-C	36 x 50 x 16	600	173	65	400	35
XSP#-800-VGS-C		800	230	65	533	50
XSP#-1000-VGS-C		1000	288	65	667	50

X-Switch is the only UPS Bypass with safety options that protect against both operator errors: a) turning off the "From UPS Output" breaker too soon drops the critical load. b) Turning on the Bypass breaker too soon shorts the UPS inverter to utility power. Other bypass switches protect against one or the other – only **X-Switch** protects against both.

Economy X-Switch Model #: XSE#-aaa-VCS-X. # and V same as above. aaa =amps. Safeties: X=none, K=Kirk Keys, S=SKRU+Keys.

Diagram 1:
2 Breaker
X-Switch

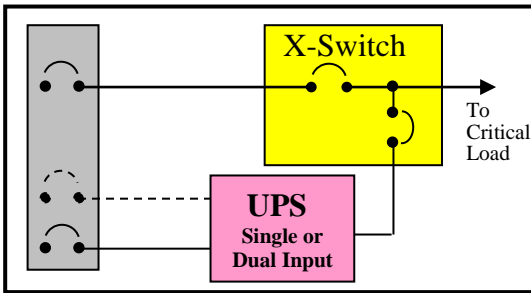


Diagram 2:
3 Breaker
X-Switch with
Dual Input UPS

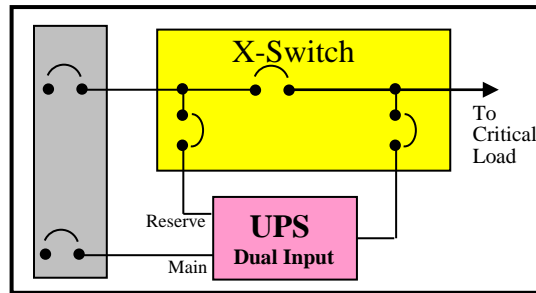


Diagram 3:
3 Breaker
X-Switch with
Single Input UPS

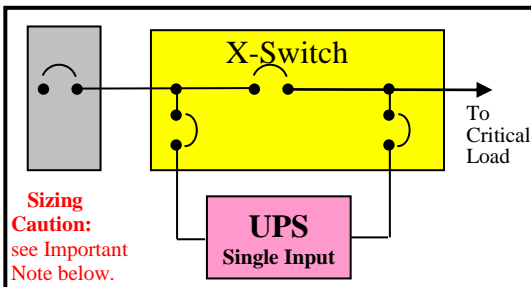
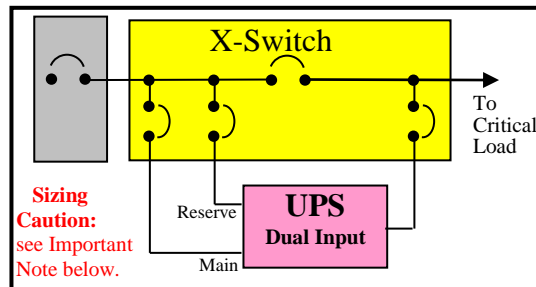


Diagram 4:
4 Breaker
X-Switch with
Dual Input UPS



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***Important Note – Sizing Caution!** If an X-Switch supplies power into the UPS Main Input (Rectifier) as shown in Diagram 3 or 4, determine the UPS's Maximum Input Current, add 25%, and select the correct X-Switch based on the "Rated Amps" column instead of the kVA. Or call **Tech Connect** for help – we have all the charts!