

FIRSTLINE[®] OC

Options Cabinet

Secure, flexible, customizable power distribution

The FirstLine[®] UPS Options Cabinet (OC) is the ultimate in tailored solutions for power distribution, maintenance bypass, and voltage transformation in one easy to implement cabinet.

When time and safety are the critical factors in your UPS power distribution implementation plans, look to the FirstLine[®] OC to provide all of your power distribution and voltage transformation requirements.

- Unmatched system flexibility
- 208 Vac or 480 Vac configurations
- Input isolation transformer available
- Up to 96 branch circuits utilizing single, double or three pole breakers
- Interlock *make-before-break* wraparound maintenance bypass
- Top, bottom, or side service access
- Seismic Zone 4 certified

The OC can also be configured with a wrap around maintenance bypass switch providing a safe alternative to internal bypass configurations found on some UPS systems. For those installations that require metering, the OC offers an optional front panel meter complete with communications capability for remote monitoring.

The OC is designed to be a perfect line-up and match solution with our FirstLine[®] UPS, FirstLine[®] 924, or as a stand-alone unit that can be used with virtually any UPS.



**STACO
ENERGY**
PRODUCTS CO.



Applications

- Broadcast
- Computer Networks
- Retail
- Robotics
- Printing
- Medical/Pharmaceuticals
- Paper Production
- Food Processing

By giving the customer the ability to configure the system with just the right number of branch circuits, virtually any input or output voltage, with or without wraparound maintenance bypass, FirstLine® OC helps keep cost in line and gives the customer years of trouble free operation.

Staco Energy Products Company brings over seventy years of experience providing world class power quality solutions to the next generation of power distribution and maintenance bypass solutions.

Initial installation, as well as relocations, expansions and peripheral changes, are easier than ever with Staco Energy's FirstLine® OC. The FirstLine® OC takes power distribution to the extreme by providing up to ninety six protected branch circuit breakers. Installation of branch circuits is made easy with true "snap" in breakers, and provides plenty of spacious wireways to reduce

the cost of installation. FirstLine® OC branch circuit breaker arrangements can be provided with or without main panel disconnect circuit breakers. Main breakers are shunt trip enabled for added safety and convenience for complete system shutdown in the event of an emergency. Top, bottom, or side cable entry selections allow it to be installed in raised floor or non-raised floor environments.

Maintenance bypass is achieved through three interlocked switches providing complete removal of power from the UPS cabinet; allowing maintenance to be safely performed or even removal of the UPS without dropping the critical loads.

It is important that you plan your electrical installation to fit your needs. Our worldwide network of sales representatives and distributors can assist you with a plan tailored to meet your specific requirements.

FirstLine® OC was designed with the customers' application in mind. It was designed to provide the most comprehensive and flexible power distribution solution in the industry.

**STACO
ENERGY**
PRODUCTS CO.

Your tailored power solutions provider



Shown with all configurable accessories

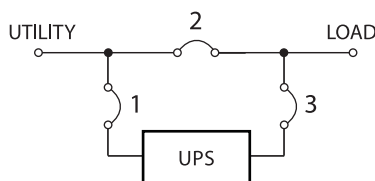
- Unmatched system flexibility
- 208 Vac or 480 Vac configurations
- Input isolation transformer available
- Up to 96 branch circuits utilizing single, double or three pole breakers
- Interlock *make-before-break* wraparound maintenance bypass
- Top, bottom, or side cable entry
- Seismic Zone 4 certified

Optional Wall Mount Wraparound Maintenance Bypass (without distribution)

The FirstLine® wall mount maintenance bypass switch (MBS) is a great alternative to a complete distribution system.

The MBS is an interlocked make-before-break wraparound bypass switch, **optional** for 2 X 2 and 4 X 4 configurations. The switch is tailored to meet the needs of most UPS installations and it provides a safe means of removing the UPS from the circuit while maintaining the connection between the load and the utility and not dropping your critical loads.

The standard interlock system ensures that the switch is closed or opened in the proper sequence to avoid improper application of power to the system or to your load.



FirstLine-OC 10-15-20kVA Specifications

Part Number	KVA	Volts (Vac)	Options Cabinet with	Dimensions H" x W" x D"	Weight (lbs.)
208 x 208 Volt					
FLU-20-OC-XXM-20	10,15, 20	208/208	MBPS only	70 x 33 x 32	460
FLU-20-OC-P1X-20	10,15, 20	208 – 208Y/120Y	(1) 48 Pole Panelboard only	70 x 33 x 32	450
FLU-20-OC-P2X-20	10,15, 20	208 – 208Y/120	(2) 48 Pole Panelboards only	70 x 33 x 32	458
FLU-20-OC-P1M-20	10,15, 20	208 – 208Y/120	(1) 48 Pole Panelboard and MBPS	70 x 33 x 32	470
FLU-20-OC-P2M-20	10,15, 20	208 – 208Y/120	(2) 48 Pole Panelboards and MBPS	70 x 33 x 32	480
FLU-20-OC-B1M-20	10,15, 20	208 – 208Y/120	(1) 48 Pole Panelboard and (1) Main PB Circuit Breaker w/ MBPS	70 x 33 x 32	630
FLU-20-OC-B2M-20	10,15, 20	208 – 208Y/120	(2) 48 Pole Panelboards and (2) Main PB Circuit Breakers w/ MBPS	70 x 33 x 32	635
FLU-20-OC-B1X-20	10,15, 20	208 – 208Y/120	(1) 48 Pole Panelboard and (1) Main PB Circuit Breaker only	70 x 33 x 32	455
FLU-20-OC-B2X-20	10,15, 20	208 – 208Y/120	(2) 48 Pole Panelboards and (2) Main PB Circuit Breakers only	70 x 33 x 32	460
FLU-20-OC-BXM-20	10,15, 20	208 – 208Y/120	(1) Output Distribution Circuit Breaker and MBPS	70 x 33 x 32	470
FLU-20-OC-BXX-20	10,15, 20	208 – 208Y/120	(1) Output Distribution Circuit Breaker only	70 x 33 x 32	460
FLU-20-OC-BX2-20	10,15, 20	208 – 208Y/120	(2) Output Distribution Circuit Breakers only	70 x 33 x 32	465
480 x 208 Volt					
FLU-20-OC-XXM-42	10,15, 20	480/208	MBPS only	70 x 33 x 32	620
FLU-20-OC-XXM-44	10,15, 20	480/480	MBPS only	70 x 33 x 32	770
FLU-20-OC-P2M-42	10,15, 20	480 – 208Y/120	(2) 48 Pole Panelboards and MBPS	70 x 33 x 32	635
FLU-20-OC-B1M-42	10,15, 20	480 – 208Y/120	(1) 48 Pole Panelboard and (1) Main PB Circuit Breaker w/ MBPS	70 x 33 x 32	630
FLU-20-OC-B2M-42	10,15, 20	480 – 208Y/120	(2) 48 Pole Panelboards and (2) Main PB Circuit Breaker w/ MBPS	70 x 33 x 32	635
FLU-20-OC-B1X-42	10,15, 20	480 – 208Y/120	(1) 48 Pole Panelboard and (1) Main PB Circuit Breaker only	70 x 33 x 32	455
FLU-20-OC-B2X-42	10,15, 20	480 – 208Y/120	(2) 48 Pole Panelboards and (2) Main PB Circuit Breakers only	70 x 33 x 32	460
FLU-20-OC-BXM-42	10,15, 20	480 – 208Y/120	(1) Output Distribution Circuit Breaker and MBPS	70 x 33 x 32	620
FLU-20-OC-BXX-42	10,15, 20	480 – 208Y/120	(1) Output Distribution Circuit Breaker only	70 x 33 x 32	610
FLU-20-OC-BX2-42	10,15, 20	480 – 208Y/120	(2) Output Distribution Circuit Breakers only	70 x 33 x 32	615
480 x 480 Volt					
FLU-20-OC-XXM-44	10,15, 20	480/480	MBPS only	70 x 33 x 32	620

External Wall Mount Maintenance Bypass (Make – Before – Break)

Part Number	kVA	Voltage	Description	Dimensions H" x W" x D"	Wt. (lbs.)
FLU-20-WMBPS-20	10,15, 20	208 – 208Y/120	3 Breaker External Wall Mount Maintenance Bypass	22 x 24 x 13	73
FLU-20-WMBPS-44	10,15, 20	480 – 480Y/277	3 Breaker External Wall Mount Maintenance Bypass	22 x 24 x 13	73

Isolation Transformer (3-Wire Input for Option Cabinet) for 10-37.5kVA Ratings

kVA	Voltage	Description	Dimensions	Wt. (lbs.)
10,15,20	208 – 208Y/120	K-20 Isolation Transformer	Internal	150
10,15,20	480 – 208Y/120 480 – 480	K-20 Isolation Transformer	Internal	150
10,15,20	220 – 220/127Y	K-20 Isolation Transformer	Internal	150
25	208 – 208Y/120	K-20 Isolation Transformer	Internal	200
25	480 – 208Y/120	K-20 Isolation Transformer	Internal	200
25	480 – 480Y/277	K-20 Isolation Transformer	Internal	200
25	220 – 220/127Y	K-20 Isolation Transformer	Internal	200

kVA	Voltage	Description	Dimensions	Wt. (lbs.)
30	208 to 208Y/120	K-20 Isolation Transformer	Internal	200
30	480 to 208Y/120	K-20 Isolation Transformer	Internal	200
30	480 to 480Y/277	K-20 Isolation Transformer	Internal	200
30	220 to 220/127Y	K-20 Isolation Transformer	Internal	200
37.5	208 to 208Y/120	K-20 Isolation Transformer	Internal	200
37.5	480 to 208Y/120	K-20 Isolation Transformer	Internal	200
37.5	480 to 480Y/277	K-20 Isolation Transformer	Internal	200
37.5	220 to 220/127Y	K-20 Isolation Transformer	Internal	200

FirstLine-OC 25-30-37.5kVA Specifications

Part Number	KVA	Volts (Vac)	Options Cabinet with	Dimensions H" x W" x D"	Weight (lbs.)
208 x 208 Volt					
FLU-37-OC-XXM-20	25,30,37.5	208/208	MBPS only	70 x 33 x 32	460
FLU-37-OC-P1X-20	25,30,37.5	208 – 208Y/120Y	(1) 48 Pole Panelboard only	70 x 33 x 32	450
FLU-37-OC-P2X-20	25,30,37.5	208 – 208Y/120	(2) 48 Pole Panelboards only	70 x 33 x 32	458
FLU-37-OC-P1M-20	25,30,37.5	208 – 208Y/120	(1) 48 Pole Panelboard and MBPS	70 x 33 x 32	470
FLU-37-OC-P2M-20	25,30,37.5	208 – 208Y/120	(2) 48 Pole Panelboards and MBPS	70 x 33 x 32	480
FLU-37-OC-B1M-20	25,30,37.5	208 – 208Y/120	(1) 48 Pole Panelboard and (1) Main PB Circuit Breaker w/ MBPS	70 x 33 x 32	630
FLU-37-OC-B2M-20	25,30,37.5	208 – 208Y/120	(2) 48 Pole Panelboards and (2) Main PB Circuit Breakers w/ MBPS	70 x 33 x 32	635
FLU-37-OC-B1X-20	25,30,37.5	208 – 208Y/120	(1) 48 Pole Panelboard and (1) Main PB Circuit Breaker only	70 x 33 x 32	455
FLU-37-OC-B2X-20	25,30,37.5	208 – 208Y/120	(2) 48 Pole Panelboards and (2) Main PB Circuit Breakers only	70 x 33 x 32	460
FLU-37-OC-BXM-20	25,30,37.5	208 – 208Y/120	(1) Output Distribution Circuit Breaker and MBPS	70 x 33 x 32	470
FLU-37-OC-BXX-20	25,30,37.5	208 – 208Y/120	(1) Output Distribution Circuit Breaker only	70 x 33 x 32	460
FLU-37-OC-BX2-20	25,30,37.5	208 – 208Y/120	(2) Output Distribution Circuit Breakers only	70 x 33 x 32	465
480 x 208 Volt					
FLU-37-OC-XXM-42	25,30,37.5	480/208	MBPS only	70 x 33 x 32	620
FLU-37-OC-P1M-42	25,30,37.5	480/208	(1) 48 Pole Panelboard and MBPS	70 x 33 x 32	470
FLU-37-OC-P2M-42	25,30,37.5	480 – 208Y/120	(2) 48 Pole Panelboards and MBPS	70 x 33 x 32	635
FLU-37-OC-B1M-42	25,30,37.5	480 – 208Y/120	(1) 48 Pole Panelboard and (1) Main PB Circuit Breaker w/ MBPS	70 x 33 x 32	630
FLU-37-OC-B2M-42	25,30,37.5	480 – 208Y/120	(2) 48 Pole Panelboards and (2) Main PB Circuit Breaker w/ MBPS	70 x 33 x 32	635
FLU-37-OC-B1X-42	25,30,37.5	480- 208Y/120	(1) 48 Pole Panelboard and (1) Main PB Circuit Breaker only	70 x 33 x 32	455
FLU-37-OC-B2X-42	25,30,37.5	480 – 208Y/120	(2) 48 Pole Panelboards and (2) Main PB Circuit Breakers only	70 x 33 x 32	460
FLU-37-OC-BXM-42	25,30,37.5	480 – 208Y/120	(1) Output Distribution Circuit Breaker and MBPS	70 x 33 x 32	620
FLU-37-OC-BXX-42	25,30,37.5	480 – 208Y/120	(1) Output Distribution Circuit Breaker only	70 x 33 x 32	610
FLU-37-OC-BX2-42	25,30,37.5	480 – 208Y/120	(2) Output Distribution Circuit Breakers only	70 x 33 x 32	615
480 x 480 Volt					
FLU-37-OC-XXM-44	25,30,37.5	480/480	MBPS only	70 x 33 x 32	620

Options:

Isolation Transformer (3-wire input). Part# I (Add suffix to end of Option Cabinet part number)

High Density Meter – Large LCD Display with Bar Charts, RMS readings for Current, Voltage, Frequency, PF and Summary Screen.

Part# M (Add suffix to end of Option Cabinet part number)

Seismic Zone 4 Floor Bolt Down Bracing Brackets (4) each. Part# FLU-SEISMIC4

NOTES:

All 4x2 and 4x4 units are with Auto Transformer, Isolation Transformer Optional available.

Panelboard(s) are Square D Type Multi 9C60.

Branch Circuit breakers are not included.

Above Options Cabinet for use with UL1778 UPS and UL924 Central Lighting Inverters

External Wall Mount Maintenance Bypass (Make – Before – Break)

Part Number	kVA	Voltage	Description	Dimensions H" x W" x D"	Wt. (lbs.)
FLU-37-WMBPS-20	25,30, 37.5	208 – 208Y/120	3 Breaker External Wall Mount Maintenance Bypass	22 x 24 x 13	73
FLU-37-WMBPS-44	25,30, 37.5	480 – 480Y/277	3 Breaker External Wall Mount Maintenance Bypass	22 x 24 x 13	73

About Staco Energy Products Company

Since 1937, customers world-wide have been relying on Staco Energy Products Company to deliver voltage control and power quality solutions tailored to their needs.

As a leading power quality resource, we offer our customers world-class support; from our thorough applications assessment, to our ability to design and deliver a solution that is tailored to the specific needs of our customers; through delivery and commissioning.

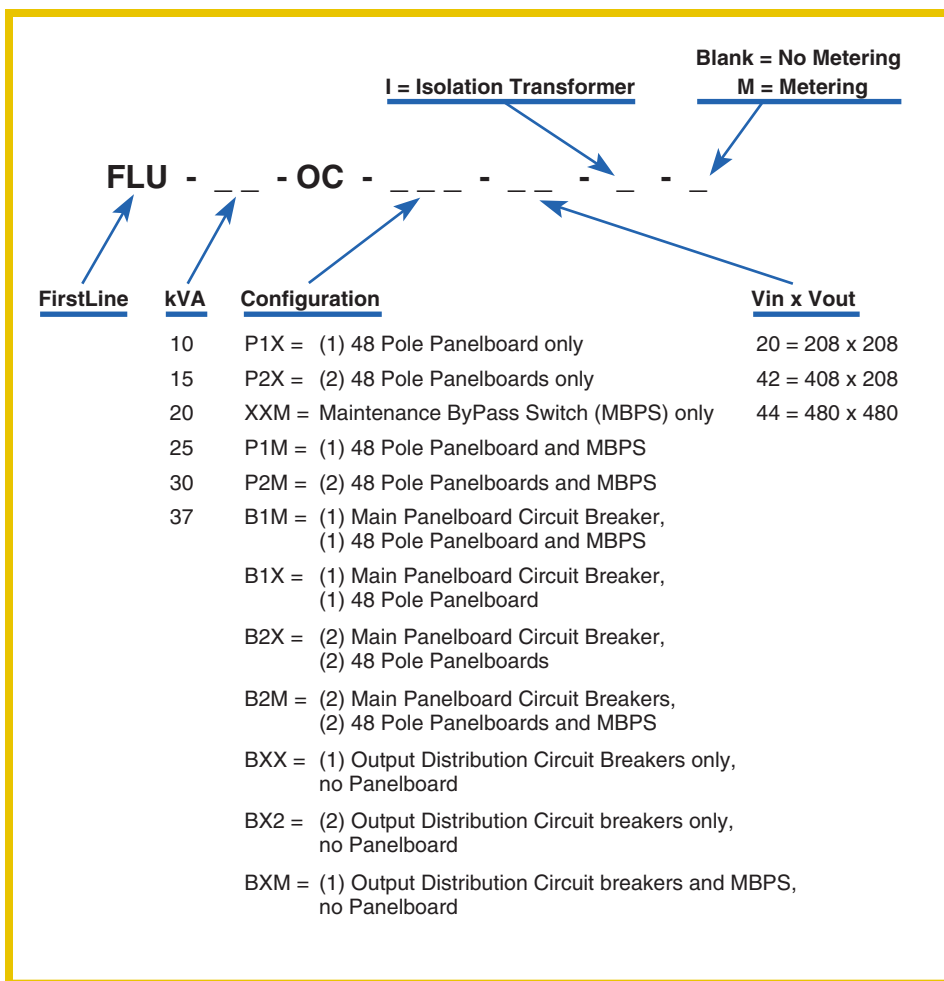
Our professional, factory trained service team is in place to ensure that our customers' revenues are protected, and their investment provides them with many years of trouble free operation.

Staco develops total power solutions for OEM and end user applications.

In addition to the FirstLine® OC we offer a wide array of power quality products, including:

- **Uninterruptible Power Supplies**
- **Power Conditioners**
- **Voltage Regulators**
- **Power Factor Correction and Harmonic Mitigation**
- **Active Harmonic Filters**
- **Variable Transformers**
- **Custom Engineered Test Sets**

Options Cabinet Part Numbering



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