

## **FIRSTLINE<sup>®</sup> PDU**

### 80-300 kVA Applications



## Intelligent Datacenter Power Distribution Unit

### Design

- Designed for easy top and bottom wiring access
- Front Access Design

### Compact

- Most compact footprint on the market

### Monitoring

- Advanced Monitoring package standard

### Clearance

- Only 6" rear clearance required
- Requires left side clearance for maintenance
- No right side clearance required

### DOE 2016, K13 Transformer Included

## FirstLine® PDU

In the event of an AC power failure, the FirstLine® PDU will automatically transfer to battery power and continue to provide power without any interruption for the full amount of time you select. When power returns, the FirstLine® PDU will automatically recharge the batteries for the next unexpected power outage or disturbance.



### Standard Features

- Generous space for cabling
- Easy Top and bottom access
- Front access for all customer wiring
- Fanless, convection cooled design
- UL Listed to UL 60950-1
- Minimal Footprint
- Modbus TCP
- Main Breaker Monitoring
- Local and remote EPO
- Door Alarm
- Subfeed Circuit Monitoring

### Optional Features

- Air Skirt
- Suppression Plate
- Seismic Floor Stands
- Input/Output surge protection device
- Input power cabling junction box
- Branch Circuit monitoring

### Specifications

Type	# of 42-circuit Panels	Dimensions H" x W" x D"
80-300 kVA	(2) Panels - No Sidecar	74.75 x 36.5 x 39.0
80-300 kVA	(4) Panels - Includes Sidecar	74.75 x 44.8 x 39.0



## Leading Footprint for 80 -300 kVA Applications

	Main Cabinet	Main Cabinet w/ Sidecar
Dimensions (H" x W" x D")	74.75 x 36.5 x 39	74.75 x 44.8 x 39
Input	480 VAC, three-phase, 3-wire plus ground <sup>1</sup>	
Output	208 VAC, three-phase, 4-wire plus ground <sup>1</sup>	
Transformer	Copper, K13, DOE 2016 efficiency, 150°C rise, double shielded <sup>2</sup> , 220°C insulation (class R)	
Subfeed Breakers	Up to (8) - 225A breakers	
Panel-Boards <sup>3</sup>	Up to (2) - 225A/400A	Up to (4) 225A/400A

<sup>1</sup> Additional input/output voltages available

<sup>2</sup> Aluminum transformer is standard on the 80kVA PDU. Copper is available.

<sup>3</sup> Square D, Siemens, Cutler Hammer, GE

### Standard Measurements

- Line and Load voltage
- Output current and power
- Voltage and current harmonics (total, 3rd-15th)
- Built-in phase rotation monitoring
- Total and subfeed energy
- Ground and neutral current
- Frequency
- Power Factor



## Service Options

Staco Service offers a wide range of planned maintenance and extended service options to maximize equipment life and reliability of your FirstLine® UPS. Through an extensive network of factory trained professionals you receive:

- Annual Service Plan
- 24/7 Emergency Service
- Preventive Maintenance
- Programs tailored to meet your needs

## About Staco Energy Products

*Since 1937, customers worldwide 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.*

**Represented locally by:**

In addition to the FirstLine® products 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



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