



# FIRSTLINE PDU

## INTELLIGENT DATACENTER POWER DISTRIBUTION UNIT

80-300 KVA APPLICATIONS

### DESIGN

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

### COMPACT

- Designed for easy top and bottom wiring access

### 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

Staco offers a full range of reliable monitored and switched Power Distribution Units (PDU). An intelligent power distribution unit offers dependable assistance for your critical equipment today and in the future. Each power distribution unit comes equipped with a user-friendly interface to allow for remote monitoring, management, and automated alerts. This stand-alone cabinet can ensure power protection for large co-location data centers, enterprise data centers, healthcare facilities, financial institutions, utility systems, manufacturing operations and more.

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

<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 MEASURES

- 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



# STACO SERVICE

## FIELD SERVICE PROGRAM

Staco specializes in providing choice and flexibility by developing tailored solutions for preventive and remedial maintenance services, as well as emergency repairs for all of our products. Staco Service is built upon a nationwide network of highly trained and motivated customer support engineers and technicians who can provide professional services and care throughout the life of your equipment.

- Start-Ups
- Preventive Maintenance
- Spare Parts
- Battery Analysis/Refresh/Replacement
- On-Site Training
- Time & Material Services

## WHY STACO ENERGY PRODUCTS?

### BECAUSE WE ARE YOUR TAILORED POWER SOLUTIONS PROVIDER!

Unique application design demands, harsh environment concerns, the need to meet non-standard physical space requirements; providing the “not so usual” is what we do best. From leading edge uninterruptible power supplies, power conditioners, power factor and harmonic correction equipment, to the world’s most stable voltage control systems, we have the technology you need to protect and manage your business, and the knowledge to make it work for you.

Since 1937, customers worldwide have relied on Staco Energy as their tailored solutions provider, to solve a wide range of electrical power problems. Headquartered in Miamisburg, Ohio, Staco Energy Products is a wholly owned subsidiary of Components Corporation of America, located in Dallas, Texas.

### Voltage Control



### UPS & Emergency Lighting



### Power Factor & Harmonics



**STACO**  
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