

Features

- ▶ Combines a static transfer switch with a power distribution unit
- ▶ One space-saving unit reduces floor space
- ▶ Type II STS for proper fault co-ordination
- ▶ Choice of distribution panel configurations

Powerware® Zero Footprint Integrated STS/PDU 600A



With data center, ISP and telecommunications installation floor space at a premium, power density has become a top priority for most technology managers. The Powerware Zero Footprint Integrated STS/PDU System combines the power protection of a static transfer switch with a power distribution unit into one space-saving unit to minimize floor space requirements without compromising system availability. In fact, the Powerware Zero Footprint STS/PDU is the size of just the PDUs in a typical STS/PDU configuration—a space savings of more than 40%.

Powerware STS/PDU systems are high-speed open-transition switches that can transfer electrical loads from one AC power source to another in a fraction of a single electrical cycle. The STS/PDU system eliminates the chance of a loss of power to critical loads by properly coordinating with your electrical distribution system. During a fault condition, the STS/PDU will continue to conduct current, allowing the downstream circuit breaker to work selectively.

STS Standard Features

- ▶ Fault-tolerant logic ensures no single points of failure with both sources available
- ▶ 100% continuous rating
- ▶ RS-485, 4 wire interface with Modbus® protocol
- ▶ Emergency 180° phase transfer
- ▶ Bottom cable entry
- ▶ Six plug-in circuit breakers
- ▶ Redundant output isolation CB
- ▶ Fuseless, rugged, high-reliability SCR devices eliminate the need to replace fuses
- ▶ Dual maintenance bypass with 4 kirk keys; protected to prevent operator error during bypassing operation
- ▶ System mimic panel for visual indication with an audible alarm
- ▶ System LCD control panel
- ▶ Alarm log, history and event log
- ▶ Real-time event log with 10 microsecond resolution between events
- ▶ Redundant cooling with fan fail sensing
- ▶ Lowest mean time to repair (MTTR)
- ▶ Multiple levels of user, maintenance and factory password protection
- ▶ Digital signal processor based, fully digital controls for high reliability and site-adaptability
- ▶ Digitally controlled system setpoints
- ▶ Transfer count-date/time stamp
- ▶ Metering: kVA, kW, Ipeak, phase, current, voltage, frequency
- ▶ Phase synchronization of upstream sources not necessary

PDU Standard Features

- ▶ Two 200 kVA power distribution units
- ▶ 800A panel with multiple configuration options
- ▶ Total access to all power connections for infrared scans
- ▶ Design enables system maintenance without affecting power to the critical load
- ▶ Compact footprint
- ▶ 74" Height fits through most doorways

MODEL CHART

| Part Number ^① | Current Amps | Voltage Volts | Access | Cable Entry | Dimensions W"xD"xH" | PDU kVA | Weight Lbs. |
|--------------------------|-----------------|------------------|-------------------------|----------------|------------------------|------------|----------------|
| PZFC603262-** | 600 | 208 | Front/Side ^② | Bottom Only | 83.25x36x74 | 200 | 5400 |

① Continuous duty 100% rating. See distribution selection guide (below) to complete part number.

② 36" or 42" clearance required in front and both sides, per local building code.

DISTRIBUTION SELECTION GUIDE

| Panel Suffix (**) ^① | Panel Type | | Dimensions W"xH" | Breaker Amps | Breaker QTY Maximum |
|--------------------------------|-----------------|----------|---------------------|--------------|------------------------|
| -01 | 800A | Standard | 27x39 | 100 | 10 |
| -02 | 800A | Standard | 27x39 | 225 | 10 |
| -03 | 800A | Standard | 27x39 | 250 | 10 |
| -04 | 800A OEM I-line | Optional | 24x33 | 100 | 7 |
| -05 | 800A OEM I-line | Optional | 24x33 | 225 | 7 |
| -06 | 800A OEM I-line | Optional | 24x33 | 250 | 7 |
| -07 | 800A OEM I-line | Optional | 24x33 | 400 | 5 |

① Add desired panel suffix to model (above) to complete part number (e.g., PZFC603262-01)

OPTIONS

- ▶ RS-232 communications interface with Modbus protocol
- ▶ Metering: power factor, kVA demand, harmonic analyzer
- ▶ Emergency power off (EPO); remote EPO
- ▶ Control power in bypass mode
- ▶ 800A I-line panel with multiple configuration options

PRODUCT STANDARDS

- ▶ Conforms to NEMA standards
- ▶ ETL listed to UL 1008
- ▶ Meets IEEE c62.41 and FIPS Pub 94
- ▶ Short circuit withstand: 65 kVA on input, 35 kVA on output
- ▶ Temperature: 0-40 °C
- ▶ Audible noise: <65 dBA @ 1 meter

Invensys Powerware
8609 Six Forks Road
Raleigh, NC 27615 U.S.A.
Toll Free: 1.877.797.9273
or 919.872.3020
Fax: 1.800.753.9433
www.powerware.com

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Europe
Finland: 358 94 52 661
France: 33 1 6012 7400
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Italy: 39 02 6600661 2
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9171 7777/ 52 55 5399 1320

