# Product datasheet

Specifications

## Symmetra PX 200kW Scalable to 250kW with Right Mounted Maintenance Bypass and Distribution

SY200K250DR-PD

**Price: 3,716,800.00 ZAR**

## Overview

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|---|---|
| **Presentation** | A high-performance, 3-phase, modular, scalable, power protection solution with industry-leading efficiency, capacity, and performance for medium to large data centers and mission critical environments. |
| **Lead time** | Usually Ships within 6 Weeks |

## Main

| | |
|---|---|
| **Main Input Voltage** | 480 V 3 phases<br>400 V 3 phases |
| **Input voltage** | 415 V |
| **Max short time withstand current** | 50 kA |
| **Input harmonic distortion** | Less than 5 % for full load |
| **Input protection type** | 3-pole circuit breaker |
| **Load power factor** | 0.5 leading to 0.5 lagging |
| **Cos phi** | 0.99 |
| **Input voltage limits** | 340...460 V 400 V<br>408...552 V 480 V |
| **Number of input connectors** | 1 hard wire 4-wire (3P + E)<br>1 hard wire 5-wire (3P + N + E) |
| **Network frequency** | 40...70 Hz auto-sensing |
| **Output voltage** | 480 V 3 phases<br>400 V 3 phases |
| **Output voltage** | 415 V |
| **Rated power in W** | 200000 W |
| **rated power in VA** | 200000 VA |
| **Output connector type** | Hard wire 4-wire (3P + E) for 1 zone(s)<br>Hard wire 5-wire (3P + N + E) for 1 zone(s) |
| **Bypass type** | Built-in maintenance bypass<br>Built-in static bypass |
| **Harmonic distortion** | Less than 2 % |
| **Maximum configurable power in VA** | 500000 VA |
| **Maximum configurable power in W** | 500000 W |
| **Output harmonic distortion** | < 2% for 0 to 100% linear load and < 6% for full non-linear load |
| **Output overload operation** | 10 minutes at 125% and 30 seconds at 150% |
| **Output voltage tolerance** | +/- 1% static and +/- 5% at 100% load step |
| **Transfer time** | 2 ms typical |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

| | |
|---|---|
| **UPS type** | Double conversion online |
| **Wave type** | Sine wave |
| **Efficiency** | 96.5 % (in battery operation) |
| **Output frequency** | 50 Hz sync to mains<br>60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised<br>50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised<br>60 Hz sync to mains |

## Complementary

| | |
|---|---|
| **Battery type** | VRLA |
| **Extended runtime** | 1 |
| **Number of battery filled slots** | 13 |
| **Number of battery free slots** | 18 |
| **Battery recharge time** | 3.5 h |
| **Number of battery replacement quantity** | 6 |
| **Battery design life** | 5…8 year(s) |
| **Battery charger power** | 19200 W rated |
| **Battery overload operation** | 10 minutes at 125% and 60 seconds at 150% |
| **Control panel** | Touch screen LCD user interface |
| **Emergency power off** | Optional |
| **Free slots** | 1 |
| **Preinstalled device** | Network management card 2 with environmental monitoring, out of band access and Modbus |
| **Colour** | Black |
| **Height** | 199.1 cm |
| **Width** | 310 cm |
| **Depth** | 107 cm |
| **Net weight** | 4090 kg |
| **USB compatible** | No |
| **Provided equipment** | Assembly service<br>Installation guide<br>Network management card<br>Start-up service<br>User manual |
| **Bypass voltage tolerance** | +/- 10 % settable from +/- 4/6/8 and 10 % |
| **Number of power module filled slots** | 8 |
| **Number of power module free slots** | 2 |
| **Redundant** | Yes |

## Environment

| | |
|---|---|
| **Product certifications** | cUL listed<br>EUROBAT<br>UL listed |

| | |
|---|---|
| **Standards** | CSA C22.2 No 107.3-05<br>EN/IEC 62040-1-1<br>EN/IEC 62040-2<br>EN/IEC 62040-3<br>UL 1778<br>UL 60950-1 |
| **Ambient air temperature for operation** | 0…40 °C |
| **Ambient air temperature for storage** | -15…40 °C |
| **Storage altitude** | 0…15240 m |
| **IP degree of protection** | IP20 |
| **Relative humidity** | 0…95 % |
| **Storage Relative Humidity** | 0…95 % |
| **NEMA degree of protection** | NEMA 1 |
| **Acoustic level** | 54 dBA |
| **Heat dissipation** | 24757 Btu/h |
| **Operating altitude** | 0...3333 ft |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 215 cm |
| **Package 1 Width** | 127 cm |
| **Package 1 Length** | 411 cm |
| **Package 1 Weight** | 4489 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 12 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Use Better

#### Materials and Substances

| | |
|---|---|
| EU RoHS Directive | **Compliant with Exemptions** |
| REACh Regulation | **REACh Declaration** |

#### Energy efficiency

| | |
|---|---|
| Energy Efficiency Optimized | **Energy efficient product** |

### Use Longer

#### Lifetime extension

| | |
|---|---|
| Repair | **No** |

### Use Again

#### Repack and remanufacture

| | |
|---|---|
| Take-back | **No** |
| WEEE Label | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins** |