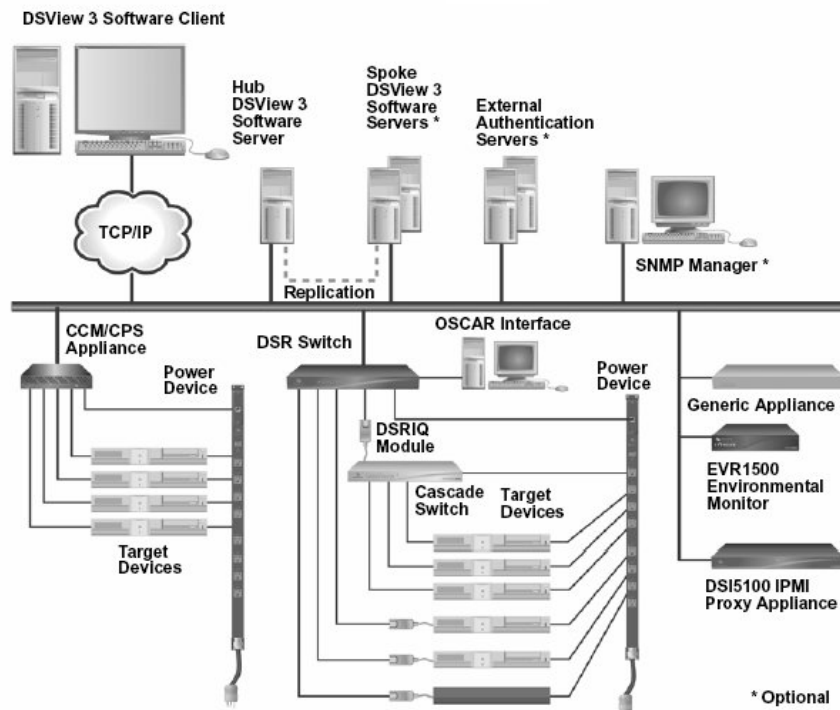


Using Server Technology Sentry Remote Power Managers with Avocent® DSView® 3 Management Software

Avocent's DSView® 3 management software is a secure, web browser-based, centralized enterprise management solution that allows users to remotely access, manage, monitor and control target devices through Avocent® managed appliances.

Server Technology's family of Sentry Remote Power Managers expands the capabilities of the DSView 3 software system and allows you to monitor power and environmental conditions. Designed in various power densities and form factors, the Sentry Remote Power Managers monitor power, temperature and humidity and notifies system administrators when those conditions exceed defined limits.

With the DSView 3 software and Sentry Remote Power Managers, you can view, monitor and control remote network-based power, environmental and security conditions over IP anytime, anywhere.



Requirements

- Server Technology Sentry Remote Power Manager with firmware version 5.3f or greater.
- Avocent DSView 3.
- Avocent CPS, CCM or DSR appliance.
- RJ45-RJ45, Sentry-Avocent Modular Data Cable (Server Technology PN: CAB-1415).

Installing a Sentry Remote Power Manager with an Avocent appliance

Follow the installation instructions included in the Sentry Remote Power Manager's manual.

Sentry Remote Power Managers are supported on CPS and CCM appliances, and on DSR switches that have one or more SPC ports. See the *Power devices* in the Avocent DSView 3 Software Installer/User Guide for more information.

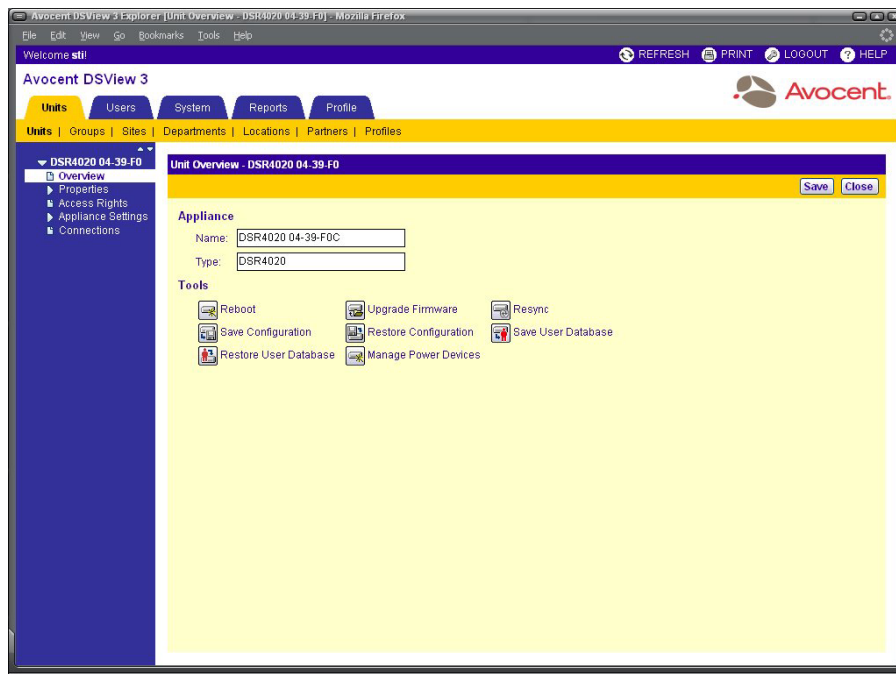
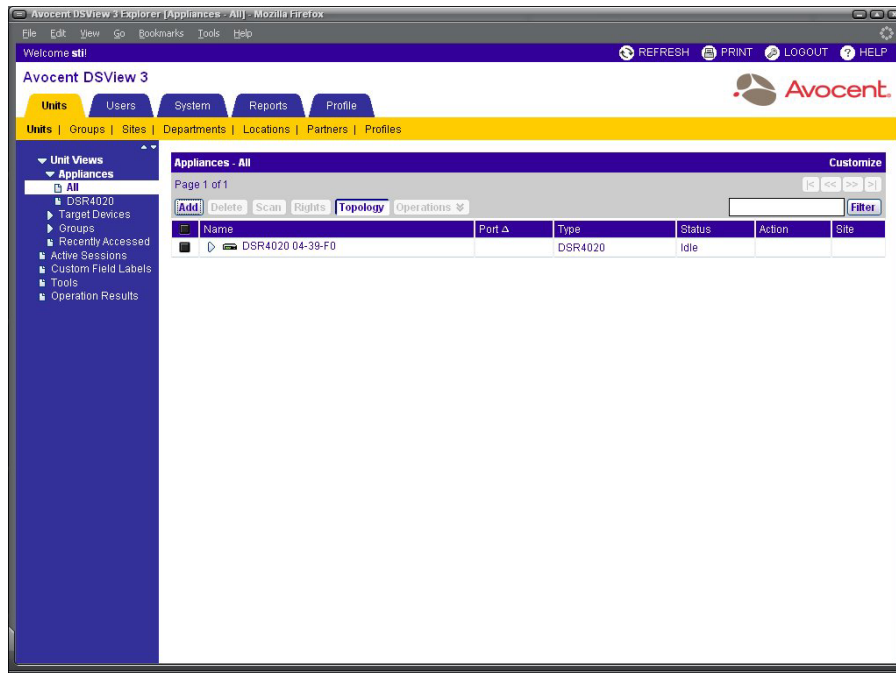
Connect the 'Avocent CPS' end of the CAB-1415 cable to the CPS, CCM or DSR appliance. Connect the 'Sentry' end to the RJ-45 Serial connection on the Sentry Remote Power Manager.

Integrating a Sentry with DSView 3 Management Software

Once the Sentry has been connected to the input power source and a networked Avocent appliance, it may be integrated with the DSView 3 management software.

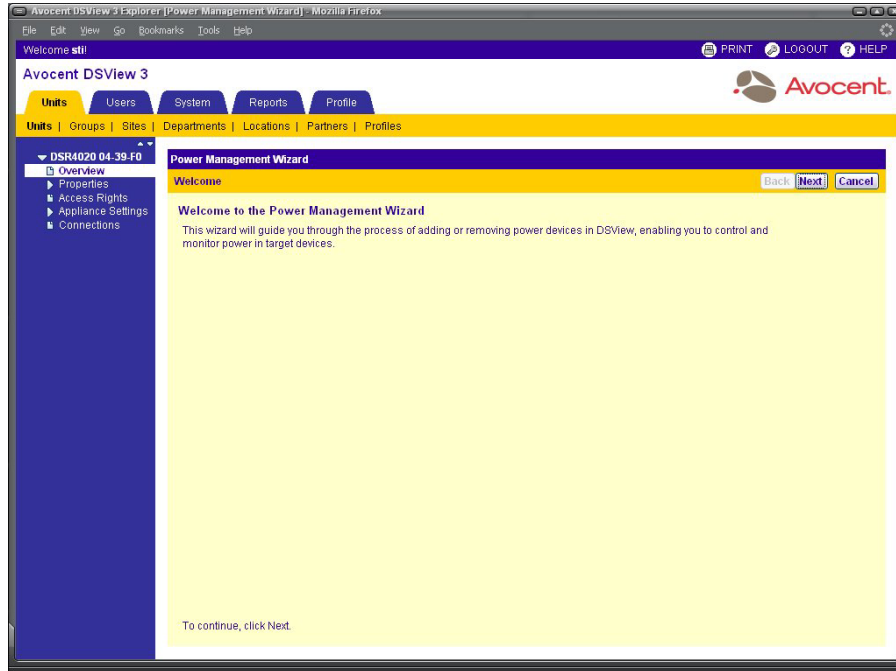
NOTE: To successfully add or remove a power device, the power device must be in the online state. Additionally, to add a power device other than an Avocent SPC device, you must have a valid third party license; See the Avocent DSView 3 Software Installer/User Guide for more information or contact Avocent.

1. In a *Units View* window, click on the Avocent appliance name connected to the Sentry Remote Power Manager; the *Unit Overview* window will open.



- Click *Manage Power Units* in the Tools area; The Power Management Wizard will appear. Click *Next*.

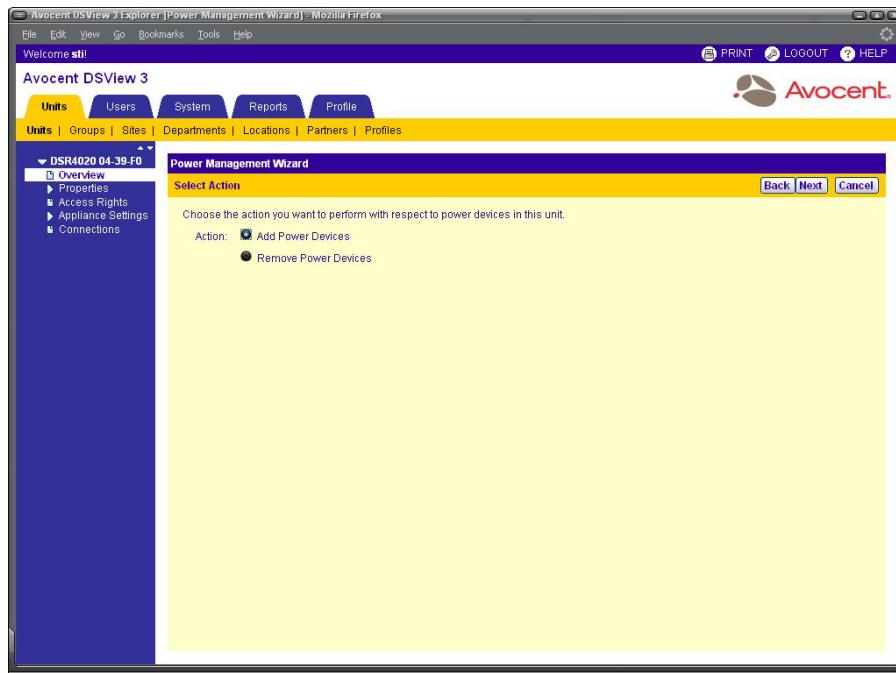
NOTE: You may also access the Power Management Wizard by clicking *Appliance Settings*, then *Ports*, then *Power device* in the side navigation bar, and then clicking *Manage*.



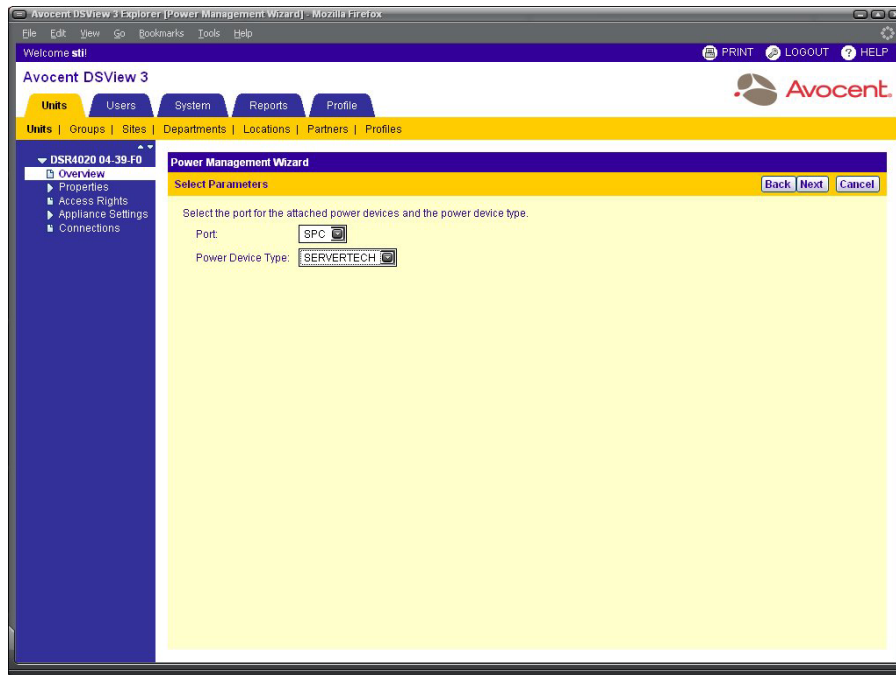
- The *Select Action* window will open.

- To add a power device, enable the *Add Power Devices* radio button.
- To remove a power device, enable the *Remove Power Devices* radio button.

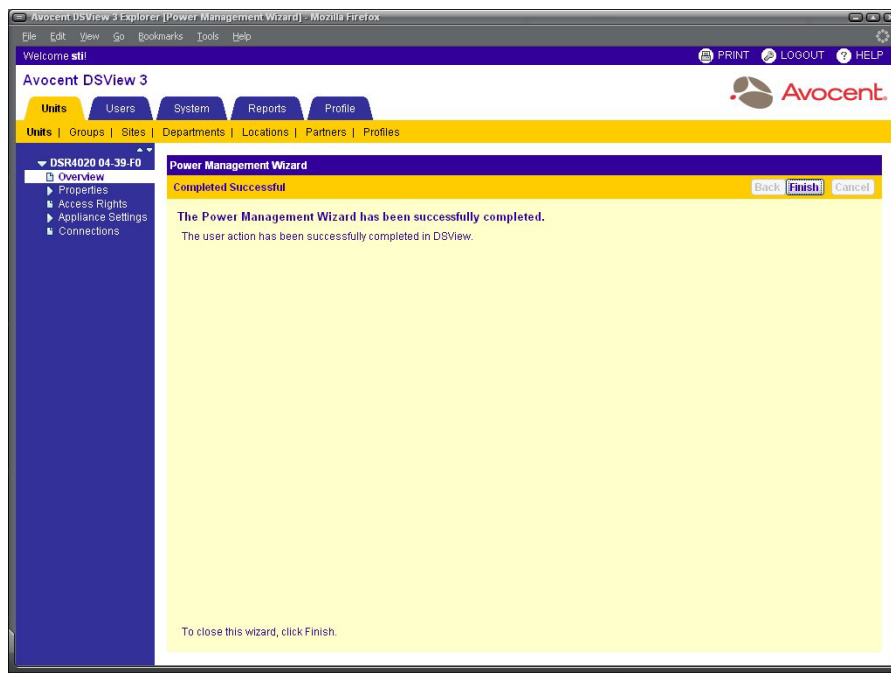
Click *Next*.



4. The *Select Parameters* window will open. Specify the port where the power device will be added or removed. Click *Next*.
 - For a DSR switch containing one SPC port, the Port field will indicate SPC and cannot be changed.
 - For a DSR switch containing multiple SPC ports, the Port field will contain entries for each. (Ex: SPC 1 and SPC 2).
 - For a CCM/CPS appliance, select the physical port number in the Port field. For a power device, indicate the type (for example, SPC for an Avocent SPC power device or SERVERTECH for a supported Server Technologies power device) in the Power Device Type field.



5. A *Completed Successful* or *Completed Unsuccessful* window will open, indicating the results of the addition or removal. Click *Finish*.



Configuring Power Device settings in DSView 3

The following fields may be displayed in the *Power Devices Attached to Appliance* window. Use the *Customize* link to add or remove fields in the display.

- Name in Appliance - Name of the power device in the appliance
- Name in DSView - Name of the power device in the DSView 3 software database
- Status - Online or offline
- Description
- Version - Power device version, such as Avocent SPC Version 1.0k
- Load(s) per Line Feed - Amperage load for each line feed; power devices with multiple line feeds will have comma-separated values
- Total Load - Total amps currently used by the power device
- Poll rate - How often a supported managed appliance polls a power device
- Ports Installed - Total number of outlets on the power device
- Total Load Max - Maximum amperage load for the entire power device
- Total Load Min - Minimum amperage load for the entire power device
- Model
- Sequence Interval - Delay between changing an outlet's status and then the next in a multi-outlet operation
- Location

To change power device settings:

1. In the *Units View* window, click on the Avocent appliance name connected to the Sentry Remote Power Manager.
2. Click *Appliance Settings* in the side navigation bar, click *Ports* and then *Power Device* in the side navigation bar. The *Power Devices Attached to Appliance* window will open. (For DSR switches that have two SPC ports, one row will appear for each power device.)
3. Click on the name of the Sentry device; The *Power Device Settings* window will open. This window will only contain fields that are valid for the Sentry power device. Some fields are read-only; For fields that can be modified, enter or select new values.
4. Click *Save* and then click *Close* to return to the *Power Devices Attached to Appliances* window.

To display power device input feed information:

1. In the *Units View* window, click on the Avocent appliance name connected to the Sentry Remote Power Manager.
2. Click *Appliance Settings* in the side navigation bar, click *Ports* and then *Power Device* in the side navigation bar. The *Power Devices Attached to Appliance* window will open. (For DSR switches that have two SPC ports, one row will appear for each power device.)
3. Click on the name of the Sentry device; The *Power Device Settings* window will open.
4. Click *Input Feeds* in the side navigation bar; The *Power Device Input Feeds* window will open.

To customize the Power Device Input Feeds window:

1. From the *Power Device Input Feeds* window, click the *Customize* link in the upper right corner to add or remove displayed fields.
2. The *Customize Power Device Input Feeds View* window will open.
 - To add a field, select the field from the Available Field list and click *Add*.
 - To remove a field, select the field from the Fields to Show list and click *Remove*.Click *Save*.
3. Click *Close* to return to the *Power Device Input Feeds* window.

To change power device input feed information:

1. From the *Power Device Input Feeds* window, click on an input feed name; The *Power Device Input Feed Settings* window will open. This window will only contain fields that are valid for the Sentry power device. Some fields are read-only; For fields that can be modified, enter or select new values.
2. Click *Save* and then click *Close* to return to the *Power Device Input Feeds* window.

To display information about power device sockets:

1. In the *Units View* window, click on the Avocent appliance name connected to the Sentry Remote Power Manager.
2. Click *Appliance Settings* in the side navigation bar, click *Ports* and then *Power Device* in the side navigation bar. The *Power Devices Attached to Appliance* window will open. (For DSR switches that have two SPC ports, one row will appear for each power device.)
3. Click on the name of the Sentry device; The *Power Device Settings* window will open.
4. Click *Sockets* in the side navigation bar; The *Power Device Sockets* window will open.

To customize the Power Device Sockets window:

1. From the *Power Device Sockets* window, click the *Customize* link in the upper right corner to add or remove displayed fields.
2. The *Customize Power Device Sockets View* window will open.
 - To add a field, select the field from the Available Field list and click *Add*.
 - To remove a field, select the field from the Fields to Show list and click *Remove*.

Click *Save*.

3. Click *Close* to return to the *Power Device Sockets* window.

To change power device socket settings:

1. From the *Power Device Sockets* window, click on a socket name; The *Power Device Socket Settings* window will open. This window will only contain fields that are valid for the Sentry power device. Some fields are read-only; For fields that can be modified, enter or select new values.
2. Click *Save* and then click *Close* to return to the *Power Device Input Feeds* window.

Power control of devices attached to the Sentry:

There are several ways to power up, power down or power cycle a target device that is attached to a Sentry socket.

- From a Power Device Sockets window - see the procedure in this section
- From a Units View window containing power devices - see the procedure in this section
- From the Video Viewer - see Power Control of Devices Attached to Power Devices on page 219
- From the Telnet Viewer - see Power Control of Devices Attached to Power Devices on page 241
- From the DSR Remote Operations software - see Power control of devices attached to power device sockets on page 318

To control power from a Power Device Sockets window:

1. In the *Units View* window, click on the Avocent appliance name connected to the Sentry Remote Power Manager.
2. Click *Appliance Settings* in the side navigation bar, click *Ports* and then *Power Device* in the side navigation bar. The *Power Devices Attached to Appliance* window will open. (For DSR switches that have two SPC ports, one row will appear for each power device.)
3. Click on the name of the Sentry device; The *Power Device Settings* window will open.
4. Click *Sockets* in the side navigation bar; The *Power Device Sockets* window will open.
5. Click the checkbox to the left of the power device socket(s).
To select all sockets on the page, click the checkbox to the left of Socket at the top of the list.
6. Click *On*, *Off* or *Cycle* to power up, power down or power cycle (off and then on) the selected Sentry sockets. The *Power* field for the selected sockets will reflect the state.

To control power from a Units View window:

1. In the *Units View* window, click the arrow next to the Avocent appliance name to expand the view to show the Sentry Remote Power Manager(s).
2. Click the arrow(s) next to the Sentry Remote Power Manager(s) to expand the view to show the Sentry sockets.
3. Click the checkbox next to the power device sockets(s). To select all power sockets in the page, click the checkbox to the left of *Name* at the top of the list. (If any of the selected units that are not power sockets, the operation will be ignored for them.)
4. Click *Operations*, then select *Wall Power On*, *Wall Power Off* or *Wall Power Cycle* from the drop-down menu.
5. A *Multiple Unit Operation* window will open. Click the *Click here to view results* link to view results.

Sentry Remote Power Managers supported by DSView 3

Sentry Switched Cabinet Distribution Unit (CDU)

Vertical 16 Switched CDU

CW-16V1-C20	100-120V 50/60Hz
CW-16V1-L530	100-120V 50/60Hz
CW-16V2-C20	208-240V 60Hz
CW-16V2-L630	208-240V 60Hz
CW-16VE-C20	230V - Euro 50/60Hz
CW-16VE-30932E	230V - Euro 50/60Hz
CX-16V1-C20	100-120V 50/60Hz
CX-16V1-L530	100-120V 50/60Hz
CX-16V2-C20	208-240V 60Hz
CX-16V2-L630	208-240V 60Hz
CX-16VE-C20	230V - Euro 50/60Hz
CX-16VE-30932E	230V - Euro 50/60Hz

Vertical 24 Switched CDU

CW-24V2-C20	208-240V 60Hz
CW-24V2-L630	208-240V 60Hz
CW-24VE-C20	230V - Euro 50/60Hz
CW-24VE-30932E	230V - Euro 50/60Hz
CW-24VD-L1520	3-Ph Delta 240V 60 Hz
CW-24VD-L1530	3-Ph Delta 240V 60 Hz
CW-24VY-L2120	3-Ph Wye 208V 60 Hz
CW-24VY-L2130	3-Ph Wye 208V 60 Hz
CX-24V2-C20	208-240V 60Hz
CX-24V2-L630	208-240V 60Hz
CX-24VE-C20	230V - Euro 50/60Hz
CX-24VE-30932E	230V - Euro 50/60Hz
CX-24VD-L1520	3-Ph Delta 240V 60 Hz
CX-24VD-L1530	3-Ph Delta 240V 60 Hz
CX-24VY-L2120	3-Ph Wye 208V 60 Hz
CX-24VY-L2130	3-Ph Wye 208V 60 Hz

Horizontal 8 Switched CDU

CW-8H1-C20	100-120V 50/60Hz
CW-8H1-L530	100-120V 50/60Hz
CW-8H2-C20	208-240V 60Hz
CW-8H2-L630	208-240V 60Hz
CW-8HE-C20	230V - Euro 50/60Hz
CW-8HE-30932E	230V - Euro 50/60Hz
CX-8H1-C20	100-120V 50/60Hz
CX-8H1-L530	100-120V 50/60Hz
CX-8H2-C20	208-240V 60Hz
CX-8H2-L630	208-240V 60Hz
CX-8HE-C20	230V - Euro 50/60Hz
CX-8HE-30932E	230V - Euro 50/60Hz

Vertical 32 Dual Input Switched CDU

CW-32VD1-C20	100-120V 50/60Hz
CW-32VD1-L530	100-120V 50/60Hz
CW-32VD2-C20	208-240V 60Hz
CW-32VD2-L630	208-240V 60Hz
CW-32VDE-C20	230V - Euro 50/60Hz
CW-32VDE-30932E	230V - Euro 50/60Hz
CX-32VD1-C20	100-120V 50/60Hz
CX-32VD1-L530	100-120V 50/60Hz
CX-32VD2-C20	208-240V 60Hz
CX-32VD2-L630	208-240V 60Hz
CX-32VDE-C20	230V - Euro 50/60Hz
CX-32VDE-30932E	230V - Euro 50/60Hz

Sentry IPM2

CW-2H1-C20	100-120V 50/60Hz
CW-2H2-C20	208-240V 60Hz / Euro 50/60Hz

Additional support for the following is anticipated in August 2006.

Sentry Power Tower (PTXL/XM)

Vertical 8 PTXL/XM

PTXL-V008-1-02	100-120V 50/60Hz
PTXL-V008-1-05	100-120V 50/60Hz
PTXL-V008-2-02	208-240V 60Hz /Euro 0/60Hz
PTXL-V008-2-06	208-240V 60Hz /Euro 0/60Hz
PTXM-V008-1-02	100-120V 50/60Hz
PTXM-V008-1-05	100-120V 50/60Hz
PTXM-V008-2-02	208-240V 60Hz /Euro 0/60Hz
PTXM-V008-2-06	208-240V 60Hz /Euro 0/60Hz

Horizontal 8 PTXL/XM

PTXL-H008-1-02	100-120V 50/60Hz
PTXL-H008-1-05	100-120V 50/60Hz
PTXL-H008-2-02	208-240V 60Hz /Euro 0/60Hz
PTXL-H008-2-06	208-240V 60Hz /Euro 0/60Hz
PTXM-H008-1-02	100-120V 50/60Hz
PTXM-H008-1-05	100-120V 50/60Hz
PTXM-H008-2-02	208-240V 60Hz /Euro 0/60Hz
PTXM-H008-2-06	208-240V 60Hz /Euro 0/60Hz

Horizontal 16 Dual Input PTXL/XM

PTXL-HD16-1-02	100-120V 50/60Hz
PTXL-HD16-1-05	100-120V 50/60Hz
PTXL-HD16-2-02	208-240V 60Hz /Euro 50/60Hz
PTXL-HD16-2-06	208-240V 60Hz /Euro 50/60Hz

Sentry -48VDC (XLS/XMS)

Horizontal 4 XLS/XLM

4835-XLS-4	-48 VDC
4835-XLM-4	-48 VDC
4870-XLS-4	-48 VDC
4870-XLM-4	-48 VDC

Horizontal 12 XLS/XLM

4805/35-XLS-12	-48 VDC
4805/35-XLM-12	-48 VDC

Vertical 16 PTXL/XM

PTXL-V016-1-02	100-120V 50/60Hz
PTXL-V016-1-05	100-120V 50/60Hz
PTXL-V016-2-02	208-240V 60Hz /Euro 0/60Hz
PTXL-V016-2-06	208-240V 60Hz /Euro 0/60Hz
PTXM-V016-1-02	100-120V 50/60Hz
PTXM-V016-1-05	100-120V 50/60Hz
PTXM-V016-2-02	208-240V 60Hz /Euro 0/60Hz
PTXM-V016-2-06	208-240V 60Hz /Euro 0/60Hz

Horizontal 16 PTXL/XM

PTXL-H016-1-02	100-120V 50/60Hz
PTXL-H016-1-05	100-120V 50/60Hz
PTXL-H016-2-02	208-240V 60Hz /Euro 0/60Hz
PTXL-H016-2-06	208-240V 60Hz /Euro 0/60Hz
PTXM-H016-1-02	100-120V 50/60Hz
PTXM-H016-1-05	100-120V 50/60Hz
PTXM-H016-2-02	208-240V 60Hz /Euro 0/60Hz
PTXM-H016-2-06	208-240V 60Hz /Euro 0/60Hz

Horizontal 16 Fail-Safe Dual Input PTXL/XM

PTXL-HF16-1-02	100-120V 50/60Hz
PTXL-HF16-1-05	100-120V 50/60Hz
PTXL-HF16-2-02	208-240V 60Hz /Euro 0/60Hz
PTXL-HF16-2-06	208-240V 60Hz /Euro 0/60Hz

Horizontal 16 XLS/XLM

4805-XLS-16	-48 VDC
4805-XLM-16	-48 VDC

Horizontal 8 XLS/XLM

4820-XLS-8	-48 VDC
4820-XLM-8	-48 VDC

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