## Eaton 9170+ UPS





#### **Features**

- N+X redundancy for both power and logic eliminates systemlevel single point-of-failure
- Easily scalable to adapt to changing IT environments by simply adding power and/or battery modules
- · True double-conversion design
- Universal components fit in any order without affecting UPS operation
- · Provides protection against all nine power problems
- Complete offering of power management software included to ensure data integrity
- Provides investment protection with a two-year limited warranty and a \$250,000 load protection guarantee (U.S. and Canada)

### **Product Snapshot**

Power Rating: 3–18 kVA Input Voltage: 200–240 Vac Output Voltage: 200–240 Vac

Frequency: 50/60 Hz (auto-sensing)
Configuration: Tower or rackmount

The Eaton® 9170+ UPS is uniquely designed to meet the everchanging needs of customers with applications such as data centers, networks and call centers. Built for global deployment, the 9170+ is a scalable, modular, flexible solution that combines the highest level of reliability with the lowest cost of ownership in the 3–18 kVA range.

The 9170+ enables customers to build a power solution specific to their needs, with an expandable level of redundancy and increases runtimes through plug-and-play 3 kVA UPS and battery modules. The 9170+ can be configured to fit three-, six-, nine- or twelve-slot enclosures, and is available for tower and rackmount applications.

The 9170+ also features a Power Saver mode, a user-selectable feature that increases unit efficiency from 88% in normal operating mode to 97%. With its low initial investment, double-conversion technology, ABM® battery management system and high-efficiency. Power Saver mode, you never have to compromise reliability for efficiency.

Unique to the 9170+ is its global deployment capability. By using a high-frequency design, housing both logic and power in the power module, and offering a single-cabinet design, distributors and purchasing departments around the world have fewer system components to contend with, regardless of where the system is deployed.



# Technical spotlight: Network level N+X redundancy

As business moves from a "bricks and mortar" model to "clicks and mortar," the need for system availability at all levels of enterprise is rising exponentially. From servers to routers to telecommunication installations, the interdependence of the technological components of the wired world can make systems vulnerable to downtime. Many precautions and preventive measures are taken when designing the network, including power protection.

In this shifting world, however, it's becoming more evident that simple power protection isn't enough. A new level of reliability is needed, one with redundancy, and thereby system availability. Today users can opt for an even greater degree of redundancy, with N+1, N+2, N+3, etc. However, this level of redundancy can quickly become cost prohibitive if the user is creating redundant

systems with a single-module UPS. The 9170+ overcomes this potential obstacle with its modular design. Redundancy comes from the 3 kVA power modules plugged into the system. For example, if you have a 9 kVA solution, and are looking for N+2 redundancy, you only need a 15 kVA UPS (five power modules) with the 9170+, instead of 18 kVA. That's because the five UPS modules run in parallel within the system, giving you N+2 redundancy, without the additional cost and space requirements.

The 9170+ eliminates a system-level single point-of-failure. Because both the logic and power are housed in the module and not in the enclosure, there is a redundancy for the entire UPS. This is a critical distinction when looking for multiple levels of redundancy in the UPS, as there is inherent vulnerability in a UPS that limits redundancy in any part of the system.

### Sample configuration

With a variety cabinet sizes and a user-friendly design you can configure the scalable and redundant 9170+ with 3 kVA power modules and battery modules to grow with your requirements.



9-slot UPS enclosure

9-slot battery enclosure

PRE-CONFIGURED SYSTEMS WITH HARDWIRE INPUT AND OUTPUT

| Model number          | Included items                                                                                | Power rating                       | Input<br>connection | Output<br>connections                     | Dimensions<br>(H x W x D in/cm)            | Weight<br>(lb/kg) |
|-----------------------|-----------------------------------------------------------------------------------------------|------------------------------------|---------------------|-------------------------------------------|--------------------------------------------|-------------------|
| PW3S3K                | (1) 3-slot enclosure<br>(1) power module<br>(2) battery modules<br>(1) caster kit             | 3 kVA expandable<br>to 3 kVA N+1   | Hardwired           | Hardwired                                 | 19.5 × 17.0 × 25.5/<br>49.5 × 43.0 × 65.0  | 155.0/69.9        |
| PW6S3K                | (1) 6-slot enclosure<br>(1) power module<br>(2) battery modules<br>(1) caster kit             | 3 kVA expandable<br>to 9 kVA N+X   | Hardwired Hardwired |                                           | 33.3 × 17.0 × 25.5/<br>84.5 × 43.0 × 65.0  | 155.0/69.9        |
| PW6S6K                | (1) 6-slot enclosure<br>(2) power modules<br>(4) battery modules<br>(1) caster kit            | 6 kVA expandable<br>to 9 kVA N+X   | Hardwired           | Hardwired                                 | 33.3 × 17.0 × 25.5/<br>84.5 × 43.0 × 65.0  | 232.0/104.8       |
| PW6S9K                | (1) 6-slot enclosure<br>(3) power modules<br>(6) battery modules<br>(1) caster kit            | 9 kVA expandable<br>to 9 kVA N+X   | Hardwired           | Hardwired                                 | 33.3 × 17.0 × 25.5/<br>84.5 × 43.0 × 65.0  | 346.0/156.7       |
| PW9S9K                | <ul><li>(1) 9-slot enclosure</li><li>(3) power modules</li><li>(6) battery modules</li></ul>  | 9 kVA expandable<br>to 18 kVA N+X  | Hardwired           | Hardwired                                 | 47.0 × 24.0 × 28.5/<br>119.5 × 61.0 × 72.5 | 389.0/176.7       |
| PW12S9K               | (1) 12-slot enclosure<br>(3) power modules<br>(6) battery modules                             | 9 kVA expandable<br>to 18 kVA N+X  | Hardwired           | Hardwired                                 | 60.7 × 24.0 × 28.5/<br>154.5 × 61.0 × 28.5 | 427.0/193.7       |
| PW12S12K              | <ul><li>(1) 12-slot enclosure</li><li>(4) power modules</li><li>(8) battery modules</li></ul> | 12 kVA expandable<br>to 18 kVA N+X | Hardwired           | Hardwired                                 | 60.7 x 24.0 x 28.5/<br>154.5 x 61.0 x 28.5 | 504.0/228.6       |
| PW12S15K:             | (1) 12-slot enclosure<br>(5) power modules<br>(10) battery modules                            | 15 kVA expandable<br>to 18 kVA N+X | Hardwired           | Hardwired                                 | 60.7 x 24.0 x 28.5/<br>154.5 x 61.0 x 28.5 | 581.0/263.5       |
| PW12S18K              | (1) 12-slot enclosure<br>(6) power modules<br>(12) battery modules                            | 18 kVA expandable<br>to 18 kVA N+X | Hardwired           | Hardwired                                 | 60.7 × 24.0 × 28.5/<br>154.5 × 61.0 × 28.5 | 658.0/298.4       |
| Pre-configured system | ns with hardwire input and rec                                                                | eptacles output options            |                     |                                           |                                            |                   |
| PW6S3K-PD             | (1) 6-slot enclosure<br>(1) power module<br>(2) battery modules<br>(1) caster kit             | 3 kVA expandable<br>to 9 kVA N+X   | Hardwired           | (2) L14-30R,<br>(2) L6-30R,<br>(12) 5-20R | 33.3 × 17.0 × 25.5/<br>84.5 × 43.0 × 65.0  | 192.0/86.9        |
| PW6S6K-PD             | (1) 6-slot enclosure<br>(2) power modules<br>(4) battery modules<br>(1) caster kit            | 6 kVA expandable<br>to 9 kVA N+X   | Hardwired           | (2) L14-30R,<br>(2) L6-30R,<br>(12) 5-20R | 33.3 × 17.0 × 25.5/<br>84.5 × 43.0 × 65.0  | 269.0/121.8       |
| PW6S9K-PD             | (1) 6-slot enclosure<br>(3) power modules<br>(6) battery modules<br>(1) caster kit            | 9 kVA expandable<br>to 9 kVA N+X   | Hardwired           | (2) L14-30R,<br>(2) L6-30R,<br>(12) 5-20R | 33.3 × 17.0 × 25.5/<br>84.5 × 43.0 × 65.0  | 346.0/160.7       |
| PW9S9K-PD             | <ul><li>(1) 9-slot enclosure</li><li>(3) power modules</li><li>(6) battery modules</li></ul>  | 9 kVA expandable<br>to 18 kVA N+X  | Hardwired           | (2) L14-30R,<br>(2) L6-30R,<br>(12) 5-20R | 47.0 × 24.0 × 28.5/<br>119.5 × 61.0 × 72.5 | 389.0/176.7       |
| PW12S9K-PD            | <ul><li>(1) 12-slot enclosure</li><li>(3) power modules</li><li>(6) battery modules</li></ul> | 9 kVA expandable<br>to 18 kVA N+X  | Hardwired           | (3) L14-30R,<br>(3) L6-30R,<br>(12) 5-20R | 60.7 × 24.0 × 28.5/<br>154.5 × 61.0 × 28.5 | 427.0/193.7       |
| PW12S12K-PD           | (1) 12-slot enclosure<br>(4) power modules<br>(8) battery modules                             | 12 kVA expandable<br>to 18 kVA N+X | Hardwired           | (3) L14-30R,<br>(3) L6-30R,<br>(12) 5-20R | 60.7 x 24.0 x 28.5/<br>154.5 x 61.0 x 28.5 | 504.0/228.6       |
| PW12S15K-PD           | (1) 12-slot enclosure<br>(5) power modules<br>(10) battery modules                            | 15 kVA expandable<br>to 18 kVA N+X | Hardwired           | (3) L14-30R,<br>(3) L6-30R,<br>(12) 5-20R | 60.7 × 24.0 × 28.5/<br>154.5 × 61.0 × 28.5 | 581.0/263.5       |
| PW12S18K-PD           | (1) 12-slot enclosure<br>(6) power modules<br>(12) battery modules                            | 18 kVA expandable<br>to 18 kVA N+X | Hardwired           | (3) L14-30R,<br>(3) L6-30R,<br>(12) 5-20R | 60.7 × 24.0 × 28.5/<br>154.5 × 61.0 × 28.5 | 658.0/298.4       |
| Pre-configured system | ns with line cord input and rec                                                               | eptacles output options            |                     |                                           |                                            |                   |
| PW3S3K-LPD            | (1) 3-slot enclosure<br>(1) power module<br>(2) battery modules                               | 3 kVA expandable<br>to 3 kVA N+1   | L14-30P             | (1) L14-30R,<br>(1) L6-30R,<br>(4) 5-20R  | 19.5 × 17.0 × 25.5/<br>49.5 × 43.0 × 65.0  | 155.0/69.9        |
| PW6S3K-LPD            | (1) 6-slot enclosure<br>(1) power module<br>(2) battery modules                               | 3 kVA expandable<br>to 6 kVA N+1   | 14-50P              | (2) L14-30R,<br>(2) L6-30R,<br>(12) 5-20R | 33.3 × 17.0 × 25.5/<br>84.5 × 43.0 × 65.0  | 192.0/86.9        |
| PW6S6K-LPD            | (1) 6-slot enclosure<br>(2) power modules<br>(4) battery modules                              | 6 kVA expandable<br>to 6 kVA N+1   | 14-50P              | (2) L14-30R,<br>(2) L6-30R,<br>(12) 5-20R | 33.3 x 17.0 x 25.5/<br>84.5 x 43.0 x 65.0  | 269.0/121.8       |

Notes: 50/60 Hz automatic frequency selection. Input/Output voltages 208–240V or 100/200,120/208, 127/220, 110/220 and 120/240V. Split phase power module offers both high and low output voltage. Universal power module offers only high output voltage. All 3- and 6-slot enclosure dimensions include caster kit.

#### **UPS CABINET ENCLOSURES WITH HARDWIRE INPUT AND OUTPUT CONNECTIONS**

| Description                  | Power rating | Input<br>connection                            | Output connections | Dimensions<br>(H x W x D in/cm)            | Weight<br>(lb/kg) |
|------------------------------|--------------|------------------------------------------------|--------------------|--------------------------------------------|-------------------|
| PW9170+ 3-slot               | 3 kVA        | Hardwired                                      | Hardwired          | 17.8 x 17.0 x 25.5/<br>45.0 x 43.0 x 65.0  | 66.0/30.0         |
| PW9170+ 6-slot               | 3 to 9 kVA   | Hardwired                                      | Hardwired          | 31.5 x 17.0 x 25.0/<br>80.0 x 43.0 x 65.0  | 103.0/47.0        |
| PW9170+ 9-slot               | 3 to 18 kVA  | Hardwired                                      | Hardwired          | 47.0 x 24.0 x 28.5/<br>119.5 x 61.0 x 72.5 | 158.0/72.0        |
| Rack Mount                   | 3 to 18kVA   | Hardwired                                      | Hardwired          | 45.0 x 17.0 x 28.5/<br>119.5 x 43.0 x 72.5 | 110.0/50.0        |
| PW9170+ 12-slot              | 3 to 18 kVA  | Hardwired                                      | Hardwired          | 60.8 × 24.0 × 28.5/<br>154.0 × 61.0 × 72.5 | 196.0/89.0        |
| Rack Mount                   | 3 to 18 kVA  | Hardwired                                      | Hardwired          | 58 x 17.0 x 28.5/<br>154.0 x 43.0 x 72.5   | 148.0/67.0        |
| Battery cabinet enclosures   |              |                                                |                    |                                            |                   |
| 6-slot battery cabinet       | _            | DC interconnect<br>option ASY-0525<br>required | -                  | 31.5 x 17.0 x 25.0/<br>80.0 x 43.0 x 65.0  | 93.0/42.2         |
| 9-slot battery cabinet       | _            | DC interconnect<br>option ASY-0525<br>required | -                  | 47.0 x 24.0 x 28.5/<br>119.5 x 61.0 x 72.5 | 148.0/67.1        |
| 12-slot battery cabinet      | -            | DC interconnect<br>option ASY-0525<br>required | -                  | 60.8 x 24.0 x 28.5/<br>154.0 x 61.0 x 72.5 | 186.0/84.4        |
| Rack Mount                   |              | <u>-</u>                                       |                    | 58 x 17.0 x 28.5/<br>154.0 x 43.0 x 72.5   | 138.0/62.6        |
| Available modules            |              |                                                |                    |                                            |                   |
| Split-phase power module     | 3 kVA/2.5 kW | -                                              | -                  | 4.2 x 14.1 x 15.3/<br>10.6 x 35.8 x 38.9   | 17.0/7.7          |
| Universal-phase power module | 3 kVA/2.1 kW | -                                              | -                  | 4.2 x 14.1 x 15.3/<br>10.6 x 35.8 x 38.9   | 17.0/7.7          |
| Battery module               | _            | -                                              | -                  | 4.2 x 7.0 x 14.8/<br>10.6 x 17.8 x 37.6    | 30.0/13.6         |
| 20 amp charger module        | 3 kVA        | -                                              | -                  | 4.2 x 14.1 x 15.3/<br>10.6 x 35.8 x 38.9   | 17.0/7.7          |

#### **TECHNICAL SPECIFICATIONS<sup>1</sup>**

#### **ELECTRICAL INPUT**

| Voltage            | 208-240V or 200/100, 208/120,<br>220/110, 240/120 Vac |
|--------------------|-------------------------------------------------------|
| Voltage range      | 176–276V                                              |
| Input power factor | .98                                                   |
| Frequency          | 50/60 Hz (±3 Hz)                                      |

#### **ELECTRICAL OUTPUT**

| On utility voltage regulation | ±3% of nominal                                                |
|-------------------------------|---------------------------------------------------------------|
| On battery voltage regulation | ±3% of nominal                                                |
| Efficiency mode               | 88% normal operation; 97% power saver (optional programmable) |
| Frequency regulation          | ±3 Hz online; ±0.1 Hz on battery                              |
|                               |                                                               |

#### COMMUNICATIONS

| COMMONICATIONS                    |                                                |
|-----------------------------------|------------------------------------------------|
| LCD                               | 4 x 20 character backlit display, programmable |
| Language<br>support               | English, French, Spanish and German            |
| Communication ports               | RS-232 (DB-9)                                  |
| Communication slots               | Two slots (standard)                           |
| SNMP capability                   | Web/SNMP enabled card options                  |
| Contact closures                  | Relay card option                              |
| Emergency power off (EPO) general | Input for external EPO                         |
|                                   |                                                |

#### **GENERAL**

| Topology             | True double-conversion online        |
|----------------------|--------------------------------------|
| Diagnostics          | Full system self-test on power up    |
| UPS bypass           | Automatic on overload or UPS failure |
| Dimensions & weights | See Pre-configured systems table     |

#### **ENVIRONMENTAL AND SAFETY**

| Safety markings                           | UL, cUL                                                                                         |
|-------------------------------------------|-------------------------------------------------------------------------------------------------|
| EMC markings                              | FCC class A                                                                                     |
| Surge suppression                         | IEEE/ANSI C62.41                                                                                |
| Audible noise                             | <50 dBA                                                                                         |
| Ambient operating/<br>storage temperature | 0 to 40°C (32 to 104°F)/ -20 to 40°C (60°C without battery) -4 to 104°F (140°F without battery) |
| Relative humidity                         | 5% to 95%, non-condensing                                                                       |
| REPO port                                 | Meets NEC code 645-11 intent and UL requirements                                                |

#### **BATTERY**

| Internal battery<br>type | Sealed, lead-acid; maintenance free |
|--------------------------|-------------------------------------|
| Battery runtime          | See Battery Runtimes on back page   |
| Battery replacement      | Hot-swappable                       |
| Recharge time            | <4 hours standard                   |
|                          |                                     |

<sup>1.</sup> Due to continuing product improvement programs, specifications are subject to change without notice.



9170+ 9-slot configuration

#### LCD panel





3 kVA power or charger module (one per slot)

#### Communication cards





Battery module (two per slot)



Rackmount

#### Maximum performance

- The lowest overall cost of ownership is a direct result of the low initial investment, higher operating efficiencies and programmable high efficiency
- A UPS solution that is as easy to install and operate as a PC — universal components fit in any order in any slot without affecting the operation of the system or its protection of the critical load
- Featuring user-friendly LCD and two internal communication slots, which accept a wide variety of connectivity devices and the new ConnectUPS Web/ SNMP card
- Lightweight, highperformance power and battery modules weigh under 30 pounds for easy service and hot-swapping

#### Maximum reliability

- N+X power and logic redundancy eliminates single point-of-failure, providing highest reliability and availability
- Redundant modularity virtually eliminates downtime and enhances serviceability

#### Maximum availability

- Double-conversion online technology is universally recognized as providing the highest availability in an internet-centric global marketplace
- Provides protection against all nine common power problems

#### Maximum service plans

- Eaton Gold Plan Plus: Enhance and extend your standard UPS warranty with added assurance of knowing your UPS is installed and operating properly from the start
- Comprehensive coverage for the entire UPS
- On-site startup by authorized Eaton product representative
- Replacement UPS or module delivered to your location
- Original UPS or module picked up from your location
- Please call for details

#### Maximum flexibility

- Modular design delivers scalable, flexible solutions to constantly changing equipment requirements
- Easily expanded by installing additional power, charger or battery modules to support additional critical applications and devices
- Internal options: line cord, receptacles, communications
- External options: rackmount kit, casters (standard on 9- and 12-slot enclosures), extended runtime battery cabinets (housing up to 8 hours of additional runtime), wall-mounted maintenance bypass cabinets

# Rackmount configurations

Adding yet another level of flexibility to the unique design of the 9170+ is the ability to configure it into a rackmount solution. Imagine all the standard benefits of the 9170+ installed in a standard 19-inch computer rack with return brackets.

### 9170+ runtime charts

| IN MINU | IN MINUTES (FULL LOAD/HALF LOAD) SPLIT-PHASE MODULE ASY-0673 |           |           |           |           |           |           |           |           | Load (VA) number of strings (two battery modules per string) |           |           |  |
|---------|--------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------------------------------------------------------|-----------|-----------|--|
|         | 1 String                                                     | 2 String  | 3 String  | 4 String  | 5 String  | 6 String  | 7 String  | 8 String  | 9 String  | 10 String                                                    | 11 String | 12 String |  |
| 3 kVA   | 6.5/16                                                       | 16/40     | 27.5/67.5 | 40/98     | 53.5/132  | 67.5/167  | 83/204    | 98/242    | 115/283   | 132/324                                                      | 149/365   | 167/408   |  |
| 6 kVA   |                                                              | 6.5/16    | 11/27.5   | 16/40     | 21.5/53.5 | 27.5/68   | 33.5/83   | 40/98     | 46.5/115  | 53.5/132                                                     | 60.5/149  | 67.5/167  |  |
| 9 kVA   |                                                              |           | 6.5/16    | 9.5/23.5  | 13/31.5   | 16/40     | 20/49     | 23.5/58   | 27.5/67.5 | 31.5/78                                                      | 35.5/88   | 40/98     |  |
| 12 kVA  |                                                              |           |           | 6.5/16    | 9/21.5    | 11/27.5   | 13.5/33.5 | 16/40     | 19/46.5   | 21.5/53.5                                                    | 24.5/60.5 | 27.5/68   |  |
| 15 kVA  |                                                              |           |           |           | 6.5/16    | 8/20.5    | 10/25     | 12/30     | 14/35     | 16/40                                                        | 18.5/45   | 20.5/50.5 |  |
| 18 kVA  |                                                              |           |           |           |           | 6.5/16    | 8/20      | 9.5/23.5  | 11/27.5   | 12.5/30                                                      | 14.5/35.5 | 16/40     |  |
|         | 13 String                                                    | 14 String | 15 String | 16 String | 17 String | 18 String | 19 String | 20 String | 21 String | 22 String                                                    | 23 String | 24 String |  |
| 3 k\/A  | 185/456                                                      | 204/501   | 223/549   | 242/595   | 262/640   | 283/692   | 302/750   | 323/790   | 345/850   | 365/900                                                      | 387/955   | 408/1015  |  |

|        | 13 String | 14 String | 15 String | 16 String | 17 String | 18 String | 19 String | 20 String | 21 String | 22 String | 23 String | 24 String |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 3 kVA  | 185/456   | 204/501   | 223/549   | 242/595   | 262/640   | 283/692   | 302/750   | 323/790   | 345/850   | 365/900   | 387/955   | 408/1015  |
| 6 kVA  | 75/185    | 83/204    | 90/223    | 98/242    | 106/262   | 115/285   | 123/302   | 132/324   | 140/345   | 149/365   | 157/388   | 167/408   |
| 9 kVA  | 44/109    | 49/120    | 53.5/132  | 58/143    | 63/154    | 68/167    | 73/179    | 78/191    | 83/204    | 88/210    | 93/229    | 98/242    |
| 12 kVA | 30.5/75   | 33.5/83   | 37/90     | 40/98     | 43/106    | 46.5/115  | 50/123    | 53.5/132  | 57/140    | 60/149    | 64/157    | 68/167    |
| 15 kVA | 23/56     | 25/62     | 27.5/67.5 | 30/73.5   | 32.5/79.5 | 35/86     | 37.5/92   | 40/98     | 42.5/105  | 45/111    | 48/118    | 51/124    |
| 18 kVA | 18/44     | 20/49     | 21.5/53.5 | 23.5/58   | 25.5/63   | 27.5/68   | 29.5/73   | 31.5/78   | 33.5/83   | 35.5/88   | 38/93     | 40/98     |

| IN MINUTES (FULL LOAD/HALF LOAD) UNIVERSAL MODULE ASY-0674 |          |          |          |          |          |          |           |          | Load (VA) number of strings (two battery modules per string) |           |           |           |
|------------------------------------------------------------|----------|----------|----------|----------|----------|----------|-----------|----------|--------------------------------------------------------------|-----------|-----------|-----------|
|                                                            | 1 String | 2 String | 3 String | 4 String | 5 String | 6 String | 7 String  | 8 String | 9 String                                                     | 10 String | 11 String | 12 String |
| 3 kVA                                                      | 8/24     | 24/59    | 43/95    | 58/140   | 80/175   | 95/215   | 119/240   | 135/290  | 155/335                                                      | 65/365    | 200/395   | 215/450   |
| 6 kVA                                                      |          | 8/24     | 16/40    | 24/59    | 32/83    | 40/103   | 49/114    | 58/140   | 69/156                                                       | 83/175    | 90/190    | 103/205   |
| 9 kVA                                                      |          |          | 8/24     | 13/35    | 18/46    | 24/59    | 29/63     | 35/86    | 40/103                                                       | 46/115    | 54/125    | 58/140    |
| 12 kVA                                                     |          |          |          | 8/24     | 13/33    | 16/40    | 19.5/43.5 | 24/59    | 29/70                                                        | 33/80     | 36/90     | 41/100    |
| 15 kVA                                                     |          |          |          |          | 8/24     | 11.5/31  | 14.5/31.5 | 18/46    | 20.5/51                                                      | 24/58     | 28/66     | 31/73     |
| 18 kVA                                                     |          |          |          |          |          | 8/24     | 11/31.5   | 13/36    | 15.5/41                                                      | 18/45     | 20.5/51   | 24/58     |

| 450/950 |
|---------|
|         |
| 205/440 |
| 143/290 |
| 100/215 |
| 73/170  |
| 58/140  |
|         |

For additional information about the 9170+, please visit: **eatonpowerware.com** or call **800.383.6956.** 



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