

# Eaton 5P UPS

650 - 1550VA



## Superior manageability and energy metering capabilities for better IT decision-making

### Manageability

- The graphical LCD display provides clear information on the UPS's status and measurements on a single screen (in seven languages). Enhanced configuration capabilities are also available with easy-to-use navigation keys.
- **Meters energy consumption** and provides kWh values through the LCD and Intelligent Power® Software.
- Load segment control enables prioritised shutdowns of nonessential equipment to maximise battery runtime for critical devices. Load segment control can also be used to remotely reboot locked-up network equipment or to manage scheduled shutdowns and sequential start-ups.
- The 5P offers Serial and USB connectivity, plus an extra slot for an optional communication card (including SNMP/Web card or relay contact card). Eaton's Intelligent Power® Software Suite compatible with all major OS including virtualization software such as VMware and Hyper-V is included with each UPS.

### Performance and Efficiency

- With an optimised electrical design, the 5P can provide up to 98% efficiency, contributing to lower cooling and utility costs.

### Pure sinewave output

- When operating in battery mode the 5P provides a high quality output signal for any sensitive equipment connected, such as active PFC (power factor corrected) servers.

### Availability and Flexibility

- 5P is available as a tower or rack form factor to cater for varied deployment applications.
- Stronger, longer battery life: Eaton ABM® battery management technology uses an innovative three-stage charging technique that only recharges the battery when necessary, so the battery experiences less corrosion and service life is prolonged by up to 50%.
- Batteries can be hot-swapped without ever having to shut down connected equipment. With an optional, hot-swap maintenance bypass module, you can even replace the entire UPS.

### Ideal for protecting:

- Servers
- Switches
- Routers
- Storage devices



Tower or Rack form factor



Intuitive LCD display for ease of configuration and management



# EATON

Powering Business Worldwide

### What's in the box:

#### Tower:

- 5P Tower UPS
- Quick Start guide & safety instructions
- User manual and software suite CD
- RS232 & USB communications cables

### What's in the box:

#### Rack:

- 5P 1RU Rack UPS
- Quick Start guide & safety instructions
- User manual and software suite CD
- RS232 & USB communications cables
- 2 x output IEC (10A) cables
- Output cables retention bracket
- 1RU rack kit (ears only for 650VA)

## Eaton 5P 1550 tower and rack



1. Communications card slot
2. Remotely switchable outlet groups
3. Remote On/Off, Remote Power Off terminal
4. USB Port
5. Serial Port
6. Primary outlet group



| Technical Specifications                                   | 650  | 850  | 1150   | 1550   |
|--|--|--|--|--|
| Rating (VA/W)  | 650VA/420W   | 850VA/600W   | 1150VA/770W  | 1550VA/1100W   |
| Format   | Tower or 1RU Rack  |  |  |  |
| <b>Electrical characteristics</b>                          |  |  |  |  |
| Technology   | Line-Interactive High Frequency (Pure Sinewave, Booster + Fader)   |  |  |  |
| Input voltage and frequency ranges without using batteries | 160V-294V (adjustable to 150V-294V) 47 to 70 Hz (50 Hz system),<br>56.5 to 70 Hz (60 Hz system), 40 Hz in low-sensitivity mode   |  |  |  |
| Output voltage and frequency                               | 230 V (+6/-10 %) (Adjustable to 200V / 208V / 220V / 230V / 240V), 50/60 Hz +/- 0.1 % (autosensing)  |  |  |  |
| <b>Connections</b>   |  |  |  |  |
| Input  | Tower: Fixed line cord 10A AU 1.8mtr<br>Rack: IEC C14 (10A) socket   | Tower: Fixed line cord 10A AU 1.8mtr<br>Rack: IEC C14 (10A) socket                       | Tower: Fixed line cord 10A AU 1.8mtr<br>Rack: IEC C14 (10A) socket                       | Tower: Fixed line cord 10A AU 1.8mtr<br>Rack: IEC C14 (10A) socket                       |
| Outputs  | Tower: 2 x AU 10A, 3 x IEC C13 (10A)<br>Rack: 4 x IEC C13 (10A)  | Tower: 2 x AU 10A, 3 x IEC C13 (10A)<br>Rack: 4 x IEC C13 (10A)                          | Tower: 2 x AU 10A, 3 x IEC C13 (10A)<br>Rack: 6 x IEC C13 (10A)                          | Tower: 2 x AU 10A, 3 x IEC C13 (10A)<br>Rack: 6 x IEC C13 (10A)                          |
| Remotely controlled sockets                                | Tower: 2 x 10A AU individually switched<br>Rack: 2 x IEC C13 (10A) individually switched   | Tower: 2 x 10A AU individually switched<br>Rack: 2 x IEC C13 (10A) individually switched | Tower: 2 x 10A AU individually switched<br>Rack: 3 x IEC C13 (10A), grouped 2+1 switched | Tower: 2 x 10A AU individually switched<br>Rack: 3 x IEC C13 (10A), grouped 2+1 switched |
| <b>Batteries</b> Typical backup times for 50 and 70% load* |  |  |  |  |
| 5P   | 9/5.5 mins   | 12/7.5 mins  | 12/7.5 mins  | 13/8.5 mins  |
| Battery management   | ABM® & Temperature compensated charging method (user selectable), Automatic battery test, deep discharge protection, to automatic recognition of external battery units. |  |  |  |
| <b>Interfaces</b>  |  |  |  |  |
| Communication ports  | 1 USB port + 1 RS232 serial port and relay contacts (USB and RS232 ports cannot be used simultaneously)<br>+ 1 mini terminal block for remote ON/OFF or Remote Power Off |  |  |  |
| Communications card slots                                  | 1 slot for NETWORK-MS, MODBUS-MS or RELAY-MS cards   |  |  |  |
| <b>Operating conditions, standards and approvals</b>       |  |  |  |  |
| Operating temperature                                      | Models 650, 850 & 1550 = "0-35°C", Model 1550 = "0-40°C"   |  |  |  |
| Noise Level  | < 40dBA  |  |  |  |
| Performance - Safety - EMC                                 | IEC/EN 62040-1-1 (Safety), IEC/EN 62040-2 (EMC), IEC/EN 62040-3 (Performance), C-Tick  |  |  |  |
| Approvals  | CE, CB report, TÜV   |  |  |  |
| <b>Dimensions W x D x H / Weight</b>                       |  |  |  |  |
| UPS Dimensions (mm) & weight (kg)-Tower                    | 150 x 345 x 230mm / 7.8kg  | 150 x 345 x 230mm / 10.4kg   | 150 x 345 x 230mm / 11.1kg   | 150 x 445 x 230mm / 15.6kg   |
| UPS Dimensions (mm) & weight (kg) - Rack                   | 438 x 364 x 43.2mm(1RU) / 8.6kg  | 438 x 509 x 43.2mm(1RU) / 13.8kg   | 438 x 509 x 43.2mm(1RU) / 14.6kg   | 438 x 554 x 43.2mm(1RU) / 19.4kg   |
| <b>Customer Service &amp; Support</b>                      |  |  |  |  |
| Warranty   | 3 years  |  |  |  |
| <b>Part Numbers</b>  |  |  |  |  |
| 5P Tower   | 5P650AU  | 5P850AU  | 5P1150AU   | 5P1550AU   |
| 5P Rack  | 5P650iR  | 5P850iR  | 5P1150iR   | 5P1550iR   |

\* Runtimes are shown at 0.7 power factor. Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

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